

English Language & Literature (184)
Sample Question Paper (Term 1)
Class – X

Time: 90 Minutes

Max. Marks 40

General Instructions:

1. The Question Paper contains THREE sections.
2. Section A-READING has 18 questions. Attempt a total of 14 questions, as per specific instructions for each question.
3. Section B-WRITING & GRAMMAR has 12 questions. Attempt a total of 10 questions, as per specific instructions for each question.
4. Section C-LITERATURE has 30 questions. Attempt 26 questions, as per specific instructions for each question.
5. All questions carry equal marks.
6. There is no negative marking.

READING

I. Read the passage given below.

- I. Nature is our mother, our first teacher. The greatest lesson that she teaches us is to maintain an equilibrium in life. We learn to maintain composure through our joys, sorrows and fears. In fact, there are a thousand lessons that nature can teach us, provided we look for them.
- II. With time, a sapling grows into a full-grown tree; something so tiny and delicate develops into a strong tree capable of supporting others. No matter how tall it grows, how much it may flourish, or how many animals and birds it may support, its roots are firmly buried from where it once rose. That's a lesson - to keep ourselves grounded, respect and embrace our roots, and give something back to those humble beginnings that nurtured us into who we are.
- III. Then there is the message of peaceful coexistence. 'I am because we are.' Nature provides every creature a chance to exist. However, the existence of one creature or being depends on the existence of the other. The tiger eats the antelope; without the antelope, the tiger wouldn't survive. Likewise, without tigers, the over-abundance of antelopes would cause them to starve to death.
- IV. I wonder if you have noticed that when birds or squirrels see a predator, they give out an alarm call to their fellow creatures, of the lurking danger. They put themselves in danger to save the lives of others. Many animals, like the salmon, usually die after they spawn, but this doesn't stop them. One life extinguished for the betterment of others is a small price to pay.
- V. The snow melts in the warmth of spring to give birth to fresh green leaves. In autumn these leaves age into shades of gold only to be buried in the cold grave of winter. Change is inevitable; the sooner we embrace this, the better it is for us. We must also understand that even in pain there is growth. If you cut a hole in the tree, it will grow around it. No matter what may come in its way, a river will continue to flow. Similarly, no matter what grief may break your heart, nature teaches us that life goes on.

- vi. Keep in mind life isn't about making lists and trying to be one step ahead of others. Life is to live. Take a break-stop being a workaholic, and smell the roses, do whatever makes you feel happy and most of all spend some time with nature to pick up invaluable lessons.

(419 words)

Source: <https://missionself.com/important-lessons-we-can-learn-from-nature>

Based on your understanding of the passage, answer any eight out of the ten questions by choosing the correct option.

Q.1 According to the author, what, from the following, is the greatest lesson being taught by nature?

- A. balanced in our emotions.
- B. partial to joys in life.
- C. afraid of unhappiness.
- D. indifferent to fears.

Q.2 Select the option that suitably completes the dialogue with reference to paragraph II.

Jai: I've done well for myself in this school. I'm the best they have. I can get admission anywhere. This is my moment!

Sid: Congratulations! Just remember, we should

- A. become strong despite our weakness.
- B. be kind and supportive towards everyone.
- C. respect the origins from where we have grown.
- D. nurture ourselves well from the beginning.

Q.3 Choose the option that best conveys the message in - '*I am because we are.*'

- A. Tigers are dependent on antelope
- B. Antelope are dependent on tigers
- C. Humans are dependent on animals
- D. Everyone is dependent on each other

Q.4 What qualities do the birds and squirrels display when they warn others of possible danger? Choose one option from the following:

- A. Observation skills and alertness.
- B. Tendency to get easily frightened.
- C. Selfless assistance to help others.
- D. Determination to protect themselves.

Q.5 Select the option with the underlined words that can suitably replace *lurking* (paragraph IV).

- A. The policeman pulled up the person who was wandering aimlessly through the city.
- B. The thief knew that remaining hidden was the best strategy to avoid being caught.
- C. The policeman was caught on camera while pouncing with force, to grab the fleeing culprit.
- D. The thief was walking boldly into the house thinking it was devoid of residents.

Q.6 A Portmanteau words like *smog* (*smoke* + *fog*), is a blend of words in which parts of multiple words are combined into a new word.

From the options given below, select a Portmanteau word that appears in the para VI.

- A. coexistence
- B. workaholic
- C. full-grown
- D. flourish

Q.7 Select the qualities from paragraph III, that the author wants us to imbibe.

Being-

- (1) acceptive
- (2) passionate
- (3) emotional
- (4) resilient
- (5) perceptive

- A. (2), (4) and (5)
- B. (1), (3) and (4)
- C. (1), (4) and (5)
- D. (3), (4) and (5)

Q.8 Which of the following is shown by the changing of seasons?

- A. The beauty of nature.
- B. Nature's creativity.
- C. All seasons are equal.
- D. Nothing lasts forever.

Q.9 What does the writer advise, in paragraph VI?

- A. Indulging in competition with others.
- B. Making priority lists.
- C. Taking life seriously.
- D. Having free time for ourselves.

Q.10 Choose the option that lists the quote best expressing the central idea of the passage.

- A. Nature: She pardons no mistakes. Her yea is yea, and her nay, nay. -Ralph Waldo Emerson
- B. Look deep into nature, and then you will understand everything better. - A. Einstein
- C. Nature never deceives us; it is we who deceive ourselves. -Jean Jacques Rousseau
- D. All the ugliness of the world can best be forgotten in the beauty of nature! -Mehmet Murat

II. Read the passage given below.

- I. Research from the Publishers Association has shown that films based on books take 44% more at the box office revenue in the UK and 53% more worldwide than original screenplays. The report explores what impact a book has when adapted for film and TV.

- II. The report reads: "Published material is the basis of 52% of top UK films in the last 10 years, and accounts for an even higher share of revenue from these leading performers, at 61% of UK box office gross and 65% of worldwide gross." The Hollywood adaptation of "My Cousin Rachel" was shown to have a significant impact on the sales of the Daphne Du Maurier thriller. The sales of the book in 2017 alone accounted for 23% of all sales since 1992.
- III. The research suggests that adapted films tend to perform better, because films can "leverage the popularity" of well-known books through an existing audience. Films adapted from books also tend to have a richer, more fully-developed story to draw on. In terms of TV adaptation, it was revealed that a quarter of dramas were based on literary sources and attracted a 56% larger share of the audience than those based on original scripts. Fourteen of the 35 high end series produced in the UK in the period between January and September 2017 were based on books, compared to seven based on true stories or historical events and five based on pre-existing films or TV stories.
- IV. In the case of the 2016 BBC broadcast of "The Night Manager", research revealed that while the novel was in circulation for over 25 years, 82% of the copies it sold were in 2016 and 2017. Sales of the paperback edition remained strong in 2017 even after the series went off the air.
- V. In conclusion, the report states that "there is a strong two-way relationship between publishing and the wider creative economy, wherein a successful adaptation often has spill-over effects and gives a substantial boost to the sales of the original book."
(338 words)

Source: <https://www.thebookseller.com/news/films-based-books-take-more-91m-more-globally-original-scripts-825036>

Based on your understanding of the passage, answer any six out of the eight questions by choosing the correct option.

Q.11 The purpose of the research by Publishers Association was to study the _____. Choose the correct option.

- A. variety in films and TV shows.
- B. impact of films on books.
- C. choice of books for film-making.
- D. connect between books and films.

Q.12 Select the option that is true for the two statements given below.

- (1) The revenues generated at the box office have increased.
- (2) Majority of the top films in the UK are based on published material.

- A. (1) is the result of (2).
- B. (1) is the reason for (2).
- C. (1) is independent of (2).
- D. (1) contradicts (2).

Q.13 Select the option that gives the correct meaning of the following statement.

"The sales of the book in 2017 alone accounted for 23% of all sales since 1992."

- A. There were 23% higher sales in 2017 than previous years.
- B. A major chunk of sales happened in 2017.
- C. The sales were limited to 23% in 2017.
- D. There were very few books sold in the previous years.

Q.14 According to the research, the films based on books have greater success because_____.

- A. people like to see the characters from the books on screen.
- B. the films get the advantage of the fame of the books.
- C. it takes less effort for people to watch films than read books.
- D. the films get a ready-made script from the books.

Q.15 Select the option listing what the given sentence refers to.

'Films adapted from books also tend to have a richer, more fully-developed story to draw on.'

- (1) The plot and the storyline of such films are better.
- (2) The characters are likely to be more vivid.
- (3) The production of such films is meant for the rich and famous.
- (4) The settings and costumes are adapted from the book.
- (5) The making of such films require the author to write a sequel.

- A. (1), (3) and (4)
- B. (2), (3) and (5)
- C. (1), (2) and (5)
- D. (1), (2) and (4)

Q.16 On what from the following were the maximum TV serials in UK in the year 2017 based?

- A. books.
- B. historical stories.
- C. original true stories.
- D. previous films.

Q.17 This passage lists an example proving that TV dramas based on literary works have_____.

Select the correct option.

- A. increased the immediate sales of the book
- B. increased the sales of the book during the first screening
- C. had no immediate impact on the sales of the book
- D. had very little impact on the sales of the book

Q.18 Choose the correct option to answer the following:

According to paragraph V, *'there is a two-way relationship between books and the screen'*.

This is so because both

- A. revolve around the same stories.
- B. cater to an audience with the same taste.
- C. gain from each other's popularity.
- D. belong to the creative field.

GRAMMAR and WRITING

GRAMMAR

III. Answer any five out of the six questions by selecting the most appropriate option for each.

- Q.19** The hospital board clearly mentioned that you _____ smoke in the hospital as it is a health hazard for all.
- A. cannot
 - B. must not
 - C. need not
 - D. might not
- Q.20** There's never _____ petrol left after Rahul uses the car.
- A. much
 - B. little
 - C. many
 - D. a little
- Q.21** I am taking driving lessons now. Hopefully, I _____ my driving test by November.
- A. will take
 - B. would pass
 - C. will have taken
 - D. will be taking
- Q.22** Which option displays the correct change of the following to reported speech?
Sunitha asked Venkat, "How much is the rent for your flat?"
- A. Sunitha asked Venkat how much was his rent for flat.
 - B. Sunitha asked Venkat how much the rent for his flat was.
 - C. Sunita enquires from Venkat that how much rent he pays.
 - D. Sunita told Venkat how much the rent for his flat was.
- Q.23** Which option displays the correct change of the following to reported speech?
She said, "I told Damanjit to send you an e-mail three days ago."
- A. She told that Damanjit had mailed you three days then.
 - B. She informed me that Damanjit has mailed me three days before.
 - C. She says that she has told Damanjit to send me an e-mail three days then.
 - D. She said that she had told Damanjit to send an e-mail to me three days before.
- Q.24** The dog _____ under the chair before the children arrived.
- A. has been hiding
 - B. was hid
 - C. have hid
 - D. had hidden

WRITING

IV. Answer any five out of the six questions given, with reference to the context below.

You are Debashree, a resident of Siliguri, Assam. You have to write a letter to the editor of a national daily drawing attention towards the difficulty faced by differently-abled people at tourist places.

Q.25 Select the option with relevant aspects that Debashree should select, for this letter.

- (1) The newspaper's name
- (2) Attached proof of the newspaper subscription
- (3) Debashree's address
- (4) Formal tone
- (5) Expected date of the letter's receipt

- A. (1) and (5)
- B. (2), (3) and (4)
- C. (3) and (5)
- D. (1), (3) and (4)

Q.26 Select the appropriate subject for this letter.

- A. Drawing attention towards differently-abled people
- B. The Differently-abled: Neglected or Misunderstood?
- C. Tourist places are an inconvenience to differently-abled people
- D. Inconvenience Faced by the Differently-abled at Tourist Spots

Q.27 Which option should Debashree select, to elaborate on the difficulties faced by the differently-abled?

A.	<ul style="list-style-type: none"> • Absence of ramps for wheelchairs • Unclean toilets • High ticket-prices
B.	<ul style="list-style-type: none"> • Unsuitable visiting timings • Tourist guides untrained in sign language • Lack of braille-script tourist pamphlets
C.	<ul style="list-style-type: none"> • Absence of ramps for wheelchairs • Tourist guides untrained in sign language • Lack of braille-script tourist pamphlets
D.	<ul style="list-style-type: none"> • Unclean toilets • High ticket-prices • Unsuitable visiting timings

Q.28 Debashree shares some suggestions in her letter, to address the issue.

Select the option that helps her complete these suggestions, appropriately.

In my opinion, the media can play a pivotal role in transforming people's (i)_____.

Also, (ii)_____against negligence to the needs of the differently-abled, at the tourist spots, shall go a long way in bringing about a positive change.

- A. (i) beliefs and traditions (ii) composing songs
- B. (i) perceptions and attitudes (ii) cautioning the authorities
- C. (i) preferences (ii) protesting
- D. (i) interactions (ii) keeping minimum interference

Q.29 Select the option that correctly justifies the choice of the concluding portion of this letter.

- (1) *I expect the authorities to take actions on this issue. Please post my thoughts in your newspaper.*
 (2) *I hope my views get published in the columns of your newspaper so that this issue may garner more public support and awareness.*

- A. Yes, to Option (1) because of the authoritative tone.
- B. No, to Option (1) because of the informal tone.
- C. Yes, to Option (2) because of the tone of polite expectation.
- D. No, to Option (2) because of the certainty in the tone.

Q.30 Select the option that completes the concluding line appropriately.

I hope that my letter will

- A. help spread awareness about the issue.
- B. lead to action against all authorities responsible, at tourist spots.
- C. improve circulation of the national daily.
- D. result in positive reviews by the readers.

LITERATURE

This section has sub-sections – V, VI, VII, VIII & IX. There are a total of 30 questions in this section. Attempt any 26 questions from the sub-sections V to IX.

V. Read the given extract to attempt the questions that follow:

But the decades of oppression and brutality had another unintended effect, and that was that it produced the Oliver Tambos, the Walter Sisulus, the Chief Luthulis, the Yusuf Dadoos, the Bram Fischers, the Robert Sobukwes of our times — men of such extraordinary courage, wisdom and generosity that their like may never be known again. Perhaps it requires such depths of oppression to create such heights of character. My country is rich in the minerals and gems that lie beneath its soil, but I have always known that its greatest wealth is its people, finer and truer than the purest diamonds. It is from these comrades in the struggle that I learned the meaning of courage. Time and again, I have seen men and women risk and give their lives for an idea.

(Nelson Mandela: Long Walk to Freedom)

Q.31 What was the unintended effect of the long oppression? Choose the correct option.

- A. It made the people indifferent to injustice.
- B. It made the people reject oppression.
- C. It influenced a generation to fight against injustice.
- D. It made people accept their oppression.

Q.32 *Men of such extraordinary courage* refers to the people who.....

- A. liberated and abolished the Apartheid system.
- B. used their resources to spread awareness.
- C. fought for their country's freedom.
- D. demonstrated utmost strength to oppose the system.

Q.33 Nelson Mandela compares _____ to diamonds.

- A. his countrymen
- B. patriots
- C. wise men
- D. the oppressed

Q.34 When Nelson Mandela says, "*I have seen men and women risk and give their lives for an idea.*", he means that they are.....

- A. stubborn.
- B. committed.
- C. intelligent.
- D. proud.

Q.35 Select the suitable word from the extract to complete the following:
depths: heights : : compassion : _____.

- A. wisdom
- B. oppression
- C. struggle
- D. courage

VI. Read the given extract to attempt the questions that follow:

Let me put it more clearly, since no one will believe that a thirteen-year-old girl is completely alone in the world. And I'm not. I have loving parents and a sixteen-year-old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home. No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends is having a good time. I can't bring myself to talk about anything but ordinary everyday things.

(From the Diary of Anne Frank)

Q.36 Why does Anne feel the following?

...no one will believe that a thirteen-year-old girl is completely alone in the world.

- 1) People knew she had a family.
- 2) People rejected the idea of loneliness.
- 3) She had several friends.
- 4) She had a cheerful personality.
- 5) Her life was comfortable.

Choose the correct option from the following:

- A. (1) and (5)
- B. (1), (3) and (4)
- C. (2) and (3)
- D. (2), (4) and (5)

Q.37 Select the most appropriate option for (1) and (2).

- (1) *...on the surface I seem to have everything, except my one true friend.*
- (2) Anne doesn't truly connect with anyone.

- A. (1) is true and (2) is false.
- B. (2) is the opposite of (1).
- C. (1) furthers the meaning of (2).
- D. Both (1) and (2) cannot be inferred from the extract.

Q.38 From the options given below, identify Anne's tone in the extract.

- A. restless
- B. dissatisfied
- C. scared
- D. hurt

Q.39 Select the option which displays an example of '*having a good time*'.

A.	He is out for a picnic with his friends and they are laughing and singing together.	B.	He is studying hard for the periodic test the following day to improve his scores.
C.	He is trying to convince his father to purchase the latest video games for him.	D.	He just rescued an injured puppy and is tending to its wounds.

Q.40 What do we get to know about Anne when she says the following?
I can't bring myself to talk about anything but ordinary everyday things

Choose one from the following to answer:

- A. She is proud of her ways.
- B. She is struggling to strike conversations.
- C. She is unsure of her own thoughts.
- D. She is unable to have a satisfying conversation.

VII. Read the given extract to attempt the questions that follow:

Money is external.
 He is learning, well behind his desperate eyes,
 The epistemology of loss, how to stand up
 Knowing what every man must one day know
 And most know many days, how to stand up

(*The Ball Poem*)

Q.41 The poet says *money is external*. What does it mean in this extract?

- A. Money helps us purchase materials that make life worth living.
- B. Money promotes materialism and hunger for power among youngsters.
- C. Money only impacts a person's external environment.
- D. Money buys materialistic things and can be earned again, when lost.

Q.42 What does the boy learn by losing the ball, according to the extract?

- 1) Loss is the unavoidable truth of life.
- 2) Material objects can be replaced.
- 3) Money buys happiness.
- 4) Losses in life can be prevented with care.
- 5) Life continues despite losses.

- A. (1), (2) and (5)
- B. (2) and (4)
- C. Only (1)
- D. (3) and (5)

Q.43 The boy is learning *how to stand up...*

This means that he is learning to be _____ in the face of difficulties.

- A. patient
- B. resilient
- C. defensive
- D. judgemental

Q.44 Which option lists who is speaking these lines?

- A. An observer.
- B. The boy's parent.
- C. The ball salesman.
- D. A friend.

Q.45 According to the poet, from whom do we mostly learn about loss?

- A. Elders.
- B. Experiences.
- C. Books.
- D. Teachers.

VIII. Read the given extract to attempt the questions that follow:

I followed casually.

"Hello again," he said.

I gave him my most appealing smile. "I want to work for you," I said.

"But I can't pay you."

I thought that over for a minute. Perhaps I had misjudged my man. I asked, "Can you feed me?"

"Can you cook?"

"I can cook," I lied again.

"If you can cook, then maybe I can feed you."

He took me to his room over the Jumna Sweet Shop and told me I could sleep on the balcony.

But the meal I cooked that night must have been terrible because Anil gave it to a stray dog and told me to be off. But I just hung around, smiling in my most appealing way, and he couldn't help laughing.

(*The Thief's Story*)

Q.46 Even though Hari Singh followed Anil *casually*, it was a/an

- A. careless action.
- B. staged move.
- C. unusual decision.
- D. bold step.

Q.47 From the following options, identify Hari Singh's intention behind the *appealing smile*.

- A. Deceit
- B. Harm
- C. Hatred
- D. Jealousy

Q.48 Select the option listing Anil's characteristics, as revealed in the extract.

- 1) unassuming
- 2) kind
- 3) determined
- 4) naïve
- 5) humourous

- A. (2) and (3)
- B. Only (5)
- C. (1), (2) and (4)
- D. Only (2)

Q.49 Select the most appropriate option based on (1) and (2).

- (1) Anil gave his meal to a stray dog.
- (2) Hari Singh did not know how to cook.

- A. (2) is true and (1) is false.
- B. (2) is the result for (1).
- C. (2) is the cause for (1).
- D. (2) is false and (1) is true.

Q.50 The phrase *hung around* suggests that Hari Singh continued to.....

- A. smile.
- B. cook.
- C. appeal.
- D. linger.

IX. Attempt the following.

Q.51 Lencho is _____ when he says, "*that's what they say: no one dies of hunger.*"

- A. doubtful
- B. stressed
- C. confused
- D. dismissive

Q.52 Which option correctly replaces the underlined phrase in the give line from *Fire and Ice*?
I hold with those who favour fire.

- A. am as experienced as
- B. strongly disagree with
- C. have the same opinion as
- D. habitually avoid

Q.53 The purpose of the treatment, given to the young seagull by his parents, was to.....

- A. teach him a lesson about the importance of food.
- B. inculcate obedience towards them.
- C. let him overcome his fear.
- D. improve his relationship with his siblings.

Q.54 Peggy often gave a nudge to one of her friends when she spoke to Wanda in the school yard. This meant that she wanted her friend to _____.

- A. stop talking to Wanda and move on
- B. observe and partake in the joke on Wanda
- C. ignore the complete situation with Wanda
- D. interrupt any reply that came from Wanda

Q.55 In the poem *Dust of Snow*, which negative symbols have been used to create a positive effect?

- A. hemlock tree; crow
- B. crow; snow
- C. snow; hemlock tree
- D. crow; dust

Q.56 Mandela refers to liberty as “newborn” because it

- A. was dependent on others for growth and guidance.
- B. had recently been attained with lots of struggle.
- C. made people experience infant-like excitement.
- D. arrived unexpectedly for everyone.

Q.57 In the poem *A Tiger in the Zoo*, what does the tiger’s ‘quiet rage’, indicate?

It indicates that the tiger’s anger is

- A. forgotten.
- B. provoked.
- C. suppressed.
- D. opposed.

Q.58 Identify the option that aptly describes Griffin.

- A. greedy, yet kind
- B. proud and honourable
- C. considerate and selfless
- D. brilliant, but lawless

Q.59 Anil's carelessness made stealing from him _____ for Hari Singh.

- A. uninteresting
- B. difficult
- C. systematic
- D. predictable

Q.60 What does the exclamation, "This is a triumph of surgery!", by Mrs. Pumphrey, mean?

- A. The surgery was successful.
- B. The mistress could take back her pet.
- C. The doctor was a great veterinarian.
- D. The planned venture was fruitful.

TERM II
SAMPLE QUESTION PAPER (2021-22)
ENGLISH – Language and Literature (184)
CLASS-X

Time allowed: 2 Hrs.

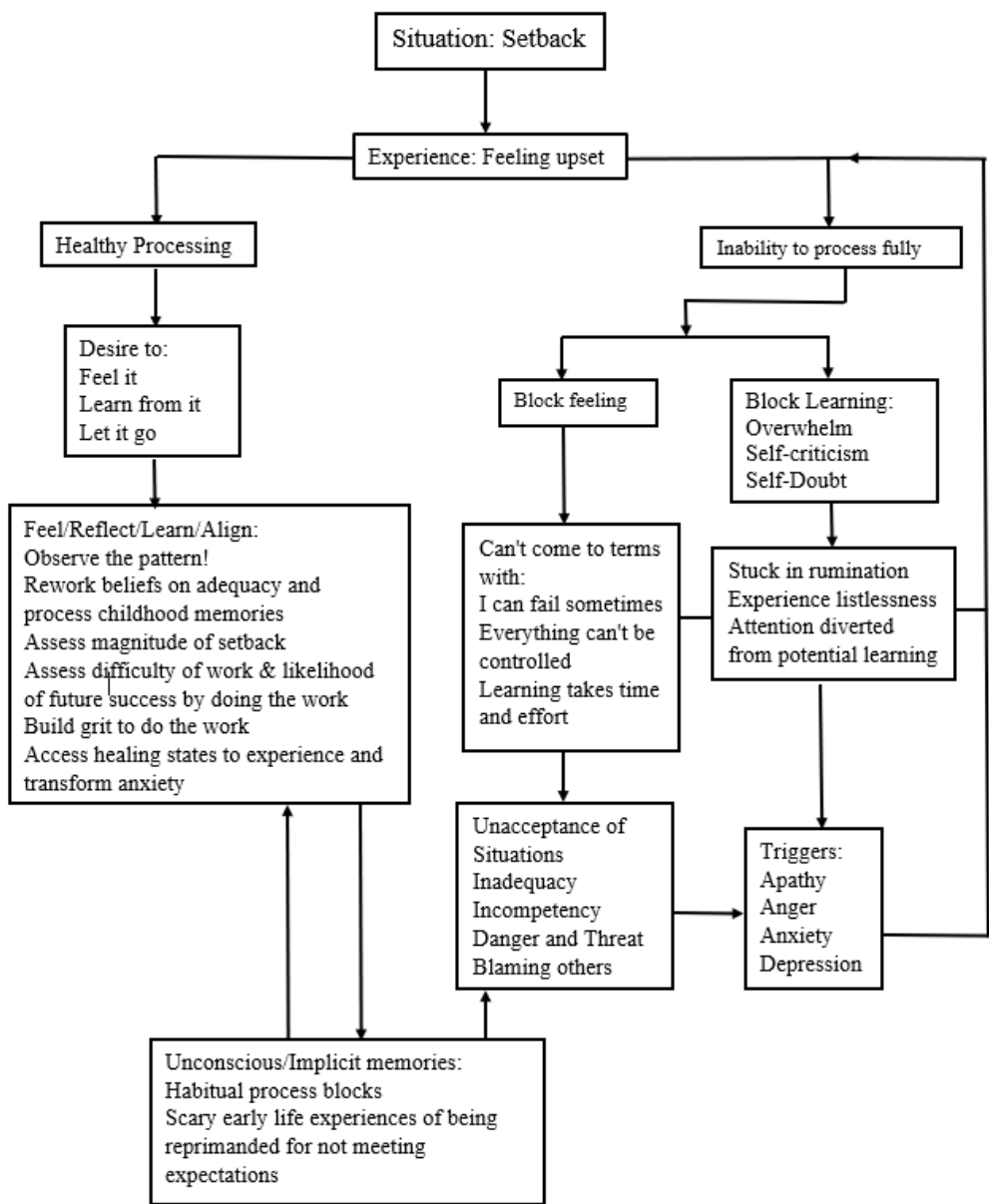
Maximum Marks: 40

General Instructions: 1. The Question Paper contains THREE sections-READING, WRITING & GRAMMAR and LITERATURE. 2. Attempt questions based on specific instructions for each part.
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Q. No.	SECTION A- READING (10 marks)	Marks
1	<p>Read the passage given below.</p> <p>Technology is making advancements at a rapid rate but at the cost of a valued tradition—the crafts industry. The traditional crafts industry is losing a lot of its trained and skilled craftsmen. With that, the art of embellishing brass and copper utensils with fine engravings is also disappearing. The government has identified around 35 crafts as languishing craft.</p> <p>The speciality of handcrafted items is its design, an association with long traditions belonging to a specific region. The word ‘handcrafted’ does not imply the involvement of dexterous human fingers or an agile mind with a moving spirit anymore. Lessening drudgery, increasing production and promoting efficiency have taken precedence. The labour-saving devices are taking the place of handcrafted tools and this has jeopardized the skills of these artisans.</p> <p>Mechanisation has made its way into everything - cutting, polishing, edging, designing etc. Ideally, the use of machinery should be negligible and the handicrafts should be made purely by hand with a distinguishable artistic appeal. However, with the exception of small-scale industries, the export units are mostly operated by machines. The heavily computerised designs contribute to a faster production at lower costs.</p> <p>Although mechanization of crafts poses a challenge to safeguarding traditional crafts, the artisans are lured with incentives in order to impart handicrafts training. Some makers do see machines as a time-saving blessing since they are now able to accomplish difficult and demanding tasks with relative ease. These machines might give a better finesse to these products but they don’t stand out as handcrafted. Quantity has overtaken quality in this industry.</p> <p>A need to highlight the importance of the handmade aspect is required by both the government and private sectors, in order to amplify awareness and also support the culture of making handicrafts. A few artisans are still trying their best to rejuvenate and revive their culture and heritage but it’s an uphill task competing with the machine-made goods. A multitude of artisans have changed their professions and are encouraging their progeny to follow suit. There are others who have stayed their ground but are clearly inclined towards buying machines.</p> <p>Nearly two decades ago, there were around 65 lakh artisans in the country. Three years ago, when the government started the process of granting a unique number to the artisans based on the Aadhaar card, 25 lakhs were identified. Loss of traditional crafts is clearly a worrying issue, but it stands to reason that forcing any artisan to follow old ways when concerns of livelihood overrule other considerations, is unfair.</p>	

Adapted from: https://www.outlookindia.com/magazine/story/business-news-handicraft-uncrafted-by-artisan-hands/302877																						
	<p>Based on your understanding of the passage, answer <u>ANY FIVE</u> questions from the six given below.</p> <p>i. What does the writer mean by calling handicrafts a ‘valued tradition’?</p> <p>ii. Rewrite the following sentence by replacing the underlined phrase with a word that means the same from lines 5– 15. <i>If it continues, the workcation (work + vacation) trend will be a powerful boost to domestic tourism operators <u>failing to make progress</u> in the economic slump caused due to the pandemic.</i></p> <p>iii. State any two reasons why artisans are choosing to work via machines rather than handcrafted tools.</p> <p>iv. Why do the artisans need to be ‘lured with incentives’ to impart handicrafts training?</p> <p>v. List one likely impact of the support of government and private sectors towards the culture of making handicrafts.</p> <p>vi. How does the writer justify an artist’s act of abandoning her/his traditional craft for a more lucrative option?</p>	<p>1*5</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>																				
<p>2.</p> <p>5</p> <p>10</p> <p>15</p>	<p>Read the following excerpt from a case study titled <i>Impacts of Festivities on Ecology</i>.</p> <p>Festivals are synonymous with celebration, ceremony and joy. However, festivals bring to fore the flip side of celebrations – pollution – air, water, soil and noise. This led to the need of assessing the awareness level among people about ecological pollution during festivals. So, a study was conducted by scholars of an esteemed university in India. This study was titled <i>Awareness Towards Impact of Festivals on Ecology</i>.</p> <p>There were two main objectives of the study. The first one was to assess the awareness level among people about ecological protection during festivities. Exploring solutions to bring awareness about celebrating festivals without harming ecology was the second objective. The method used to collect data was a simple questionnaire containing 6 questions, shared with 50 respondents across four selected districts of a state in the southern region of India.</p> <p>The research began by understanding the socio-economic conditions of the respondents before sharing the questionnaire. Once the responses were received, the data collected was tabulated (Table 1), for analysis.</p> <p>Table-1: Awareness level among respondents</p> <table><tr><th>QUESTIONS</th><th>YES %</th><th>NO %</th><th>CAN’T SAY%</th></tr><tr><td>1. Do you feel that bursting crackers is a must during festivities?</td><td>46</td><td>54</td><td>0</td></tr><tr><td>2. Do you think most people abuse environmental resources during celebration of festivals?</td><td>72</td><td>28</td><td>0</td></tr><tr><td>3. Do you think that celebrations & festivities result in uniting people?</td><td>64</td><td>32</td><td>4</td></tr><tr><td>4. Do you enjoy bursting crackers for amusement?</td><td>68</td><td>32</td><td>0</td></tr></table>	QUESTIONS	YES %	NO %	CAN’T SAY%	1. Do you feel that bursting crackers is a must during festivities?	46	54	0	2. Do you think most people abuse environmental resources during celebration of festivals?	72	28	0	3. Do you think that celebrations & festivities result in uniting people?	64	32	4	4. Do you enjoy bursting crackers for amusement?	68	32	0	
QUESTIONS	YES %	NO %	CAN’T SAY%																			
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4. Do you enjoy bursting crackers for amusement?	68	32	0																			

	<table><tr><td>5. Do you feel pressured to burst crackers during festivals as an expectation of your social status?</td><td>82</td><td>12</td><td>6</td></tr><tr><td>6. Are you aware of waste segregation & disposal guidelines for better ecology?</td><td>56</td><td>40</td><td>4</td></tr></table>	5. Do you feel pressured to burst crackers during festivals as an expectation of your social status?	82	12	6	6. Are you aware of waste segregation & disposal guidelines for better ecology?	56	40	4	
5. Do you feel pressured to burst crackers during festivals as an expectation of your social status?	82	12	6							
6. Are you aware of waste segregation & disposal guidelines for better ecology?	56	40	4							
20	<p>The study recommended the imposition of strict rules and regulations as opposed to a total ban on all festive activities which have a drastic impact on our environment. The researchers believed that such measures would help in harnessing some ill-effects that add to the growing pollution and suggested further studies be taken up across the country to assess awareness about ecological degradation.</p>									
25	<p>The observations made in the study pointed to the environmental groups and eco-clubs fighting a losing battle due to city traffic issues, disposal of plastics, garbage dumping and all sorts of ecological degradation. The researchers stressed that the need of the hour is increasing awareness among people to reduce ecological pollution which can be facilitated by celebrating all festivals in an eco-friendly manner.</p>									
Largely adapted from https://www.researchgate.net/publication/325366454_Awareness_towards_Impact_of_Festivals_on_Ecology_Need_for_Social_Work_Intervention										
On the basis of your understanding of the passage, answer <u>ANY FIVE</u> questions from the six given below.		1*5								
i	Why do the researchers call pollution the ‘flip side’ of festivals?	1								
ii	Comment on the significance of the second objective of the study with reference to lines 7-12.	1								
iii	Justify the researchers’ recommendation for limiting the drastic impact of festival pollution on the environment with reference to lines 16-21.	1								
iv	Why do the researchers feel that environmental groups and eco-clubs are fighting a losing battle in the given scenario?	1								
v	Even though a larger number of people say ‘no’ to bursting crackers than those who say ‘yes’, festival pollution persists. How does evidence from table 1 support this statement?	1								
vi	What purpose does the ‘Can’t Say’ column serve in the questionnaire (table 1)?	1								
SECTION B - WRITING AND GRAMMAR (10 marks)										
3.	Attempt <u>ANY ONE</u> from i and ii.									
i.	Study the concept chart from the self-help magazine section of a monthly publication.	5								



Write a paragraph in not more than 120 words, analysing the listed responses to the situation when one faces setbacks.

FOR THE VISUALLY IMPAIRED CANDIDATES

Read the following excerpt from an article that appeared in a monthly newsletter circulated among residents of a township.

The by-laws of some residential associations and management that ban owners and tenants from keeping pets in their apartments, are justified.

Write a paragraph to analyse the given argument.
You could think about what alternative explanations might weaken the given conclusion and include rationale / evidence that would strengthen / counter the given argument.

ii You are Samina Zaveri, Class X, Vadodara, Gujarat. You come across the following information on a local library’s notice board.

Create Your Own Board Game Competition!

Create an educational board game, and send it to us at Teen-Toggle Games Pvt. Ltd, 307, Satija building, Colaba, Mumbai by July 2022. The top 10 winning board games will be featured on our international portal.

Attractive scholarships for the winners!

You wish to participate but require more information. Write a letter to Teen-Toggle Games Pvt.Ltd in about 120 words, enquiring about rules, scholarship details and deadlines. Also enquire about specifications for solo or group entries.

4.	<p>The following paragraph has not been edited. There is one error in each line. Identify the error and write its correction against the correct blank number. Remember to underline the correction. The first one has been done for you.</p> <table><thead><tr><th></th><th>Error</th><th>Correction</th></tr></thead><tbody><tr><td>Have you ever learn from a mistake you have made?</td><td>E.g. learn</td><td><u>learnt</u></td></tr><tr><td>Many shouldn't admit doing so. For those who do,</td><td>a)</td><td>1</td></tr><tr><td>there was no need for guilt. We often make mistakes</td><td>b)</td><td>1</td></tr><tr><td>while taking risks, but all brush them aside and learn.</td><td>c)</td><td>1</td></tr><tr><td>With that, they usually don't make mistakes the next time.</td><td></td><td></td></tr></tbody></table>		Error	Correction	Have you ever learn from a mistake you have made?	E.g. learn	<u>learnt</u>	Many shouldn't admit doing so. For those who do,	a)	1	there was no need for guilt. We often make mistakes	b)	1	while taking risks, but all brush them aside and learn.	c)	1	With that, they usually don't make mistakes the next time.			1*3
	Error	Correction																		
Have you ever learn from a mistake you have made?	E.g. learn	<u>learnt</u>																		
Many shouldn't admit doing so. For those who do,	a)	1																		
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while taking risks, but all brush them aside and learn.	c)	1																		
With that, they usually don't make mistakes the next time.																				
5.	<p>Read the conversation between a teacher and student and complete the passage that follows.</p> <div><p>Biology Teacher: I instructed you to draw the diagram of bacteria. Why did you submit a blank sheet?</p><p>Sameer: Sir, I had drawn the diagram of bacteria, but you can't see it because it is not visible to the naked eye.</p></div> <p>The biology teacher had instructed Sameer to draw the diagram of a bacterial cell and asked him (a)a blank sheet. Sameer respectfully answered that he had drawn the diagram but (b)to the naked eye.</p>	1 1																		
	SECTION C- LITERATURE (20 marks)																			
6.	Answer <u>ANY SIX</u> questions in 30-40 words each.	2*6																		
i.	What is the significance of the Buddha's request for a handful of mustard seeds and the addition of a condition to it?	2																		
ii.	Justify how 'Animals' by Walt Whitman is a criticism of mankind and its ways.	2																		
iii.	Comment on the tone of the speaker when she says 'Will you please look at me when I'm speaking to you, Amanda!'.	2																		
iv.	A ballad includes the telling of a tale as well as a surprise ending. Using evidence from the poem, explain how these features are included in 'The Tale of Custard the Dragon'.	2																		
v.	Which two issues about himself convinced Lomov of his decision to get married?	2																		
vi.	Briefly state how Matilda invited 'a dreadful life of necessity' into her family.	2																		
vii.	The hack driver successfully trapped the narrator in his web of words. Comment.	2																		
7.	Answer <u>ANY TWO</u> of the following in about 120 words each.	4*2																		
i.	Parents play a crucial role in the upbringing of their children. Critically examine the parents of Bholi and Ebright, highlighting their impact on their children's lives.	4																		
ii.	Pranjol and Rajvir discuss their next vacation destination. They shortlist Coorg and Goa. Rajvir is keen on Coorg and tries to convince Pranjol. Develop a conversation between the two, based on your understanding of <i>Glimpses of India</i> . You may begin like this:	4																		

	Rajvir: Hey Pranjol! I think we should be visiting Coorg. It is a beautiful place with coffee plantations. I can smell the aroma already! Pranjol: I gave you the opportunity to explore a tea plantation last year, in Assam; I want to...	
iii.	Farce is a kind of comedy which includes situations and dialogues that are ridiculous, exaggerated and even absurd. Evaluate the play, <i>The Proposal</i> , as a farce.	4

प्रतिदर्श प्रश्नपत्र, 2021-22

द्वितीय सत्र

विषय- हिंदी 'ए' (कोड-002)

निर्धारित समय- 2 घंटे

पूर्णांक-40

सामान्य निर्देश:

- (1) इस प्रश्नपत्र में दो खंड हैं- खंड 'क' और ख'।
- (2) सभी प्रश्न अनिवार्य हैं, यथासंभव सभी प्रश्नों के उत्तर क्रमानुसार ही लिखिए।
- (3) लेखन कार्य में स्वच्छता का विशेष ध्यान रखिए।
- (4) खंड 'क' में कुल 3 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उपप्रश्नों के उत्तर दीजिए।
- (5) खंड 'ख' में कुल 4 प्रश्न हैं, सभी प्रश्नों के साथ विकल्प भी दिए गए हैं। निर्देशानुसार विकल्प का ध्यान रखते हुए चारों प्रश्नों के उत्तर दीजिए।

खंड 'क' (पाठ्य पुस्तक व पूरक पाठ्य पुस्तक)

20 अंक

प्रश्न 1. निम्नलिखित प्रश्नों के उत्तर 25-30 शब्दों में लिखिए-

2×4=8

- (क) 'फ़ादर कामिल बुल्के संकल्प से संन्यासी थे, मन से नहीं।' लेखक के इस कथन के आधार पर सिद्ध कीजिए कि फ़ादर का जीवन परंपरागत संन्यासियों से किस प्रकार अलग था?
- (ख) फ़ादर की उपस्थिति लेखक को देवदार की छाया के समान क्यों लगती थी? पाठ के आधार पर सिद्ध कीजिए।
- (ग) क्या सनक सकारात्मक भी हो सकती है? सकारात्मक सनक की जीवन में क्या भूमिका हो सकती है? सटीक उदाहरणों द्वारा अपने विचार प्रकट कीजिए।
- (घ) 'लखनवी अंदाज़' शीर्षक की सार्थकता तर्क सहित सिद्ध कीजिए।

प्रश्न 2. निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर 25-30 शब्दों में लिखिए-

2×3=6

- (क) 'उत्साह' कविता के शीर्षक की सार्थकता तर्क सहित स्पष्ट कीजिए।
- (ख) इस सत्र में पढ़ी गई किस कविता में फागुन के प्राकृतिक सौंदर्य का वर्णन किया गया है? उसे अपने शब्दों में व्यक्त कीजिए।

(ग) इस सत्र में पढ़ी गई किस कविता में कोरी भावुकता न होकर जीवन में संचित किए अनुभवों की अनिवार्य सीख है? कविता के नाम के साथ कथन की पुष्टि के लिए उपयुक्त तर्क भी प्रस्तुत कीजिए।

(घ) इस सत्र में पढ़ी गई किस कविता की अंतिम पंक्तियाँ आपको प्रभावित करती हैं और क्यों? तर्क सहित स्पष्ट कीजिए।

प्रश्न 3. निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में लिखिए- $3 \times 2 = 6$

(क) 'माता का अंचल' पाठ में वर्णित बचपन और आज के बचपन में क्या अंतर है? क्या इस अंतर का प्रभाव दोनों बचपनों के जीवन मूल्यों पर पड़ा है? तर्क सहित स्पष्ट कीजिए।

(ख) 'जॉर्ज पंचम की नाक' पाठ में निहित व्यंग्य को स्पष्ट करते हुए बताइए कि मानसिक पराधीनता से मुक्ति पाना क्यों आवश्यक है?

(ग) नदी, फूलों, वादियों और झरनों के स्वर्गिक सौंदर्य के बीच किन दृश्यों ने लेखिका के हृदय को झकझोर दिया? 'साना-साना हाथ जोड़ें' पाठ के आधार पर उत्तर दीजिए।

खंड 'ख' (रचनात्मक लेखन खंड)

(20 अंक)

4. निम्नलिखित अनुच्छेदों में से किसी एक विषय पर संकेत-बिंदुओं के आधार पर लगभग 150 शब्दों में अनुच्छेद लिखिए-

(5)

(क) कोरोना काल और ऑनलाइन पढ़ाई

संकेत-बिंदु- भूमिका, लॉकडाउन की घोषणा, ऑनलाइन कक्षाओं का आरंभ, इसके लाभ, ऑफलाइन कक्षाओं से तुलना, तकनीकी से जुड़ी बाधाएँ, निष्कर्ष

(ख) मानव और प्राकृतिक आपदाएँ

संकेत-बिंदु- भूमिका, प्रकृति और मानव का नाता, मानव द्वारा बिना सोचे-विचारे प्रकृति का दोहन, कारण एवं प्रभाव, प्रकृति के रौद्र रूप के लिए दोषी कौन, निष्कर्ष

(ग) सड़क सुरक्षा : जीवन रक्षा

संकेत-बिंदु- भूमिका, सड़क सुरक्षा से जुड़े कुछ प्रमुख नियम, सड़क सुरक्षा के नियमों की अनदेखी से होने वाली हानियाँ, इन्हें अपनाने के लाभ, निष्कर्ष

5. आपकी चचेरी दीदी कॉलेज में दाखिला लेना चाहती हैं, किंतु आपके चाचा जी आगे की पढ़ाई न करवाकर उनकी शादी करवाना चाहते हैं। इस बारे में अपने चाचा जी को समझाते हुए लगभग 120 शब्दों में एक पत्र लिखिए। (5)

अथवा

आपके क्षेत्र में सरकारी राशन की दुकान का संचालक गरीबों के लिए आए अनाज की कालाबाज़ारी करता है और कुछ कहने पर उन्हें धमकाता है। उसकी शिकायत करने हेतु लगभग 120 शब्दों में ज़िलाधिकारी को पत्र लिखिए।

6. (क) आपको अपना फ़्लैट किराए पर देना है। इसके लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (2.5)

अथवा

आपकी दीदी ने संगीत कला केंद्र खोला है। इसके प्रचार-प्रसार के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

(ख) सामाजिक संस्था 'सवेरा' के नशा-मुक्ति जागरूकता अभियान के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (2.5)

अथवा

बहुत कम कीमत में स्मार्ट फ़ोन बनाने वाली कंपनी के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

7. (क) राष्ट्रीय प्रतिभा खोज परीक्षा (एनटीएसई) में पहला स्थान प्राप्त करने पर अपने मित्र को लगभग 40 शब्दों में शुभकामना संदेश लिखिए। (2.5)

अथवा

साहसिक कार्य के लिए बाल वीरता पुरस्कार से सम्मानित होने वाले अपने मित्र को लगभग 40 शब्दों में बधाई संदेश लिखिए।

(ख) केरल के निवासी अपने मित्र को ओणम के अवसर पर लगभग 40 शब्दों में एक बधाई संदेश लिखिए। (2.5)

अथवा

भैया-भाभी की पहली वैवाहिक वर्षगांठ पर लगभग 40 शब्दों में एक शुभकामना संदेश लिखिए।

प्रतिदर्श प्रश्नपत्र 2021-22 सत्र - एक

विषय हिंदी (कोड 085)

समय: 1 घंटा 30 मिनट

पूर्णांक : 40

सामान्य निर्देश:

- इस प्रश्न पत्र में तीन खंड हैं- खंड 'क', 'ख' और 'ग'
- *खंड 'क' में कुल 2 प्रश्न पूछे गए हैं। दोनों प्रश्नों के कुल 20 उपप्रश्न दिए गए हैं। दिए गए निर्देशों का पालन करते हुए कुल 10 उपप्रश्नों के उत्तर दीजिए।
- *खंड 'ख' में 4 प्रश्न हैं तथा इन सभी के 21 उपप्रश्न हैं। इनमें से निर्देशानुसार 16 उपप्रश्नों के उत्तर दीजिए।
- खंड 'ग' में कुल 3 प्रश्न हैं तथा 14 उपप्रश्न सम्मिलित हैं सभी उपप्रश्नों के उत्तर दीजिए।

खंड 'क' अपठित गद्यांश

(10 अंक)

प्रश्न 1. नीचे दो गद्यांश दिए गए हैं। किसी एक गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए.

(1×5=5)

यदि आप इस गद्यांश का चयन करते हैं तो कृपया उत्तर पुस्तिका में लिखिए कि आप प्रश्न संख्या 1 में दिए गए गद्यांश-1 पर आधारित प्रश्नों के उत्तर लिख रहे हैं।

अच्छा नागरिक बनने के लिए भारत के प्राचीन विचारकों ने कुछ नियमों का प्रावधान किया है। इन नियमों में वाणी और व्यवहार की शुद्धि, कर्तव्य और अधिकार का समुचित निर्वाह, शुद्धतम पारस्परिक सद्भाव और सेवा की भावना आदि नियम बहुत महत्वपूर्ण माने गए हैं। ये सभी नियम यदि एक व्यक्ति के चारित्रिक गुणों के रूप में भी अनिवार्य

माने जाएँ तो उसका अपना जीवन सुखी और आनंदमय हो सकता है। सभी गुणों का विकास एक बालक में यदि उसकी बाल्यावस्था से ही किया जाए तो वह अपने देश का श्रेष्ठ नागरिक बन सकता है। इन गुणों के कारण वह अपने परिवार, आस पड़ोस, विद्यालय में अपने सहपाठियों एवं अध्यापकों के प्रति यथोचित व्यवहार कर सकेगा।

वाणी एवं व्यवहार की मधुरता सभी के लिए सुखदायक होती है, समाज में हार्दिक सद्भाव की वृद्धि करती है किंतु अहंकारहीन व्यक्ति ही स्निग्ध वाणी और शिष्ट व्यवहार का प्रयोग कर सकता है। अहंकारी और दंभी व्यक्ति सदा अशिष्ट वाणी और व्यवहार का अभ्यासी होता है। जिसका परिणाम यह होता है कि ऐसे आदमी के व्यवहार से समाज में शांति और सौहार्द का वातावरण नहीं बनता।

जिस प्रकार एक व्यक्ति समाज में रहकर अपने व्यवहार से कर्तव्य और अधिकार के प्रति सजग रहता है, उसी तरह देश के प्रति भी उसका व्यवहार कर्तव्य और अधिकार की भावना से भावित रहना चाहिए। उसका कर्तव्य हो जाता है कि न तो वह स्वयं कोई ऐसा काम करे और न ही दूसरों को करने दे, जिसमें देश के सम्मान, संपत्ति और स्वाभिमान को ठेस लगे।

समाज एवं देश में शांति बनाए रखने के लिए धार्मिक सहिष्णुता भी बहुत आवश्यक है। यह वृत्ति तभी आ सकती है जब व्यक्ति संतुलित व्यक्तित्व का हो। वह आंतरिक व बाहरी संघर्ष से परे सामाजिकता की अनुभूति से परिपूर्ण व्यक्तित्व होना चाहिए।

निम्नलिखित में से निर्देशानुसार सर्वाधिक उपयुक्त विकल्पों का चयन कीजिए।

(1) गद्यांश के संदर्भ में अच्छा नागरिक बनने के लिए नियमों का प्रावधान आवश्यक है, क्योंकि यह -

(क) स्वतंत्रता को बढ़ावा देता है जिससे वातावरण को शांति से परिपूर्ण करता है।

(ख) व्यक्तित्व को निखारकर जीवन को आमोद - प्रमोद से परिपूर्ण करता है।

(ग) व्यक्तित्व को निखारकर जीवन को सुख और मंगलकामना से परिपूर्ण करता है।

(घ) व्यक्ति को अहंकार, स्निग्ध वाणी और शिष्ट व्यवहार से परिपूर्ण करता है।

(2) वाणी एवं व्यवहार की मधुरता सभी के लिए सुखदायक होती है। इस कथन के लिए उपयुक्त तर्क है -

(क) देश के सम्मान, संपत्ति और स्वाभिमान को ठेस पहुँचती है।

(ख) देश व समाज में शांति और सौहार्द का वातावरण नहीं बनता।

(ग) कर्तव्य और अधिकार का समुचित निर्वाह बहुत आवश्यक है।

(घ) समाज में हार्दिक सद्भाव की वृद्धि और सुख की प्रतिष्ठा होती है।

(3) अहंकारी और दंभी व्यक्ति सदा अभ्यासी होता है -

(क) अशिष्ट वाणी और व्यवहार का

(ख) मधुर एवं अशिष्ट व्यवहार का

(ग) अशिष्ट वाणी एवं व्यवहार की शुद्धि का

(घ) स्निग्ध वाणी और अशिष्ट व्यवहार का

(4) संतुलित व्यक्तित्व से तात्पर्य है -

(क) आंतरिक व बाहरी संघर्ष से संपूर्ण सामाजिकता की अनुभूति से परिपूर्ण व्यक्तित्व

(ख) देश में पूर्णतः आदर्श नागरिक का व्यवहार करने वाला सुखदायक व्यक्तित्व

(ग) आंतरिक व बाहरी संघर्ष से रहित संपूर्ण सामाजिकता की अनुभूति से परिपूर्ण व्यक्तित्व

(घ) कर्तव्य और अधिकार के प्रति सजग रहने वाला भावुक प्रवृत्ति से परिपूर्ण व्यक्तित्व

(5) धार्मिक सहिष्णुता की स्थापना आवश्यक है क्योंकि इससे -

(क) अधिकार और कर्तव्य पर विजय प्राप्त हो जाएगी।

(ख) देश की संपत्ति को नुकसान नहीं पहुँचेगा।

(ग) भारतीय संविधान की प्रतिष्ठा बनी रहेगी।

(घ) समाज एवं देश में शांति व्यवस्था बनी रहेगी।

अथवा

यदि आप इस गद्यांश का चयन करते हैं तो कृपया उत्तर पुस्तिका में लिखिए कि आप प्रश्न संख्या 1 में दिए गए गद्यांश-2 पर आधारित प्रश्नों के उत्तर लिख रहे हैं।

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए।

बड़ा बनने के लिए हमें विशाल काम करने की ज़रूरत नहीं होती, बल्कि प्रत्येक काम में विशालता के चिह्न खोजने पड़ते हैं। अपने अंतर्मन में सदैव जिज्ञासा को जन्म देना होता है। दुनिया में ज्ञान का जो बोलबाला है, उसमें हमारे कौतूहल की केंद्रीय भूमिका है। अल्बर्ट आइंस्टीन ने एक बार अपने साक्षात्कार में कहा था कि हमारी जिज्ञासा ही हमारे

अस्तित्व का आधार है। बिना प्रश्न के हमारे जीवन में न गति आएगी और न कोई रस होगा जब हम चिंतन करते हैं, तब नई बातें सामने आती हैं। सवाल करने का ही परिणाम है कि नई तकनीक ऑटोमेशन और आर्टिफिशियल इंटेलिजेंस जैसी चीजें आज दुनिया में आ रही हैं। जब हम कहते हैं क्यों, कैसे, क्या, तब हमारे अंदर की स्नायु प्राण ऊर्जा और संकल्प एक नई गति और उत्साह के साथ नवीनता की यात्रा करने लगते हैं।

हमें इस दुनिया की इतनी आदत पड़ चुकी है कि - लीक से हटकर सोचना नहीं चाहते। कोई विभिन्नता नहीं, न ही कोई नवीनता है। यह कैसा जीवन है, जिसमें कोई कौतूहल नहीं कोई आश्चर्य नहीं? इस जगत में हमारी स्थिति एक कीटाणु या विषाणु की तरह है, जो अपनी सुखमयी व्यवस्था में पड़े रहते हैं। लेकिन जो स्वतंत्र होते हैं, वे हृदय की आवाज़ सुनते हैं। जो बड़ा होना चाहते हैं, इस दुनिया और इसकी प्रत्येक घटना, वस्तु एवं स्थिति पर अपना आश्चर्य प्रकट करते हैं। प्रत्येक घटना और वस्तु से परे हटकर सोचने और उसको देखने की कोशिश जो करते हैं, यही बड़ा बनते हैं। जिज्ञासु मन और बुद्धि ही दर्शन और विज्ञान की दुनिया बनाते हैं।

निम्नलिखित में से निर्देशानुसार सर्वाधिक उपयुक्त विकल्पों का चयन कीजिए।

(1) प्रत्येक काम में विशालता के चिह्न खोजने से लेखक का अभिप्राय है -

- (क) बड़ी सोच व्यक्ति को बड़ा बनने की प्रेरणा देती है।
- (ख) प्रत्येक काम को महत्व देकर गहराई से समझें।
- (ग) प्रत्येक काम को करने के लिए सदैव तत्पर रहें।
- (घ) प्रत्येक काम का आयोजन बड़े पैमाने पर करें।

(2) अस्तित्व शब्द का अर्थ है -

- (क) विद्यमानता
- (ख) जिज्ञासु प्रवृत्ति
- (ग) गतिमान
- (घ) नवीनता

(3) नवीनता की यात्रा करने से हम परंपरागत प्रणालियों से विमुक्त हो रहे हैं। नवीनता के पक्षधर के रूप में इसकी आवश्यकता के लिए उपयुक्त तर्क है-

- (क) हमारी मानसिक स्थिति एक कीटाणु या विषाणु की तरह है।
- (ख) हमारे शारीरिक, मानसिक, चारित्रिक व राष्ट्रीय विकास के लिए है।

(ग) जो स्वतंत्र मानसिकता वाले होते हैं, वे दूसरों की आवाज़ सुनते हैं।

(घ) जब हम चिंतन करते हैं, तब नई बातें सामने आती हैं।

(4) लीक से हटकर सोच को विकसित करने के लिए आवश्यक है -

(क) सुखमय व्यवस्था

(ख) हृदय की आवाज़ सुनना

(ग) अंतर्मन में सदैव जिज्ञासा

(घ) दर्शन और विज्ञान की दुनिया

(5) जिज्ञासा ही हमारे अस्तित्व के आधार की परिचायक है क्योंकि यह -

(क) व्यक्ति को नए जमाने का वैज्ञानिक दर्शाती है।

(ख) शारीरिक व मानसिक रूप से क्रियाशील रखती है।

(ग) आर्टिफिशियल इंटेलिजेंस की उपयोगिता दर्शाती है।

(घ) विश्वव्यापी स्तर पर स्थिति निर्धारित करती है।

प्रश्न 2 नीचे दो गद्यांश दिए गए हैं। किसी एक गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए. (1x5=5)

यदि आप इस गद्यांश का चयन करते हैं तो कृपया उत्तर पुस्तिका में लिखिए कि आप प्रश्न संख्या 2 में दिए गए गद्यांश-1 पर आधारित प्रश्नों के उत्तर लिख रहे हैं।

जानवरों में गधा सबसे बुद्धिहीन समझा जाता है हम जब किसी आदमी को पहले दर्जे का बेवकूफ कहना चाहते हैं तो उसे गधा कहते हैं। गधा सचमुच बेवकूफ है या उसके सीधेपन, उसकी निरापद सहिष्णुता ने उसे यह पदवी दे दी है, इसका निश्चय नहीं किया जा सकता। गायें सींग मारती हैं, ब्याई हुई गाय तो अनायास ही सिंहनी का रूप धारण कर लेती है। कुत्ता भी बहुत गरीब जानवर है, लेकिन कभी-कभी उसे भी क्रोध आ ही जाता है, लेकिन गधे को कभी क्रोध करते नहीं सुना, न देखा। जितना चाहो उसे मारो, चाहे जैसी खराब सड़ी हुई घास सामने डाल दो, उसके चेहरे पर कभी असंतोष की छाया भी न दिखाई देगी। वैशाख में चाहे एकाध बार कुलेल कर लेता हो; पर हमने तो उसे कभी खुश होते नहीं देखा। उसके चेहरे पर एक स्थायी विषाद छाया रहता है।

सुख-दुख, हानि-लाभ किसी दशा में भी उसे बदलते नहीं देखा। ऋषि-मुनियों के जितने गुण हैं, वह सभी उसमें पराकाष्ठा को पहुँच गए हैं, पर आदमी उसे बेवकूफ कहता है। सद्गुणों का इतना अनादर कहीं नहीं देखा। कदाचित् सीधापन संसार के लिए उपयुक्त नहीं है।

(1) लेखक यह निश्चय नहीं कर पाता कि गधा बेवकूफ है या सीधा क्योंकि उसके अनुसार -

(क) गधा अपने - पराये की भावना से परे है

(ख) गधा क्रोध व कुलेल नहीं करता है

(ग) गधा सीधा व सहिष्णु होता है

(घ) गधे के चेहरे पर हर्ष व विषाद होता है

(2) गधे में ऋषि-मुनियों के कौन-कौन से गुण देखने को मिलते हैं ?

(क) जप-तप करना

(ख) समानता का भाव

(ग) असंतोष की भावना

(घ) कुलेल करना

(3) आशय स्पष्ट कीजिए- 'उसके चेहरे पर एक स्थायी विषाद छाया रहता है।'

(क) गधा सदैव चुप रहता है, उसे खुश होते हुए कभी नहीं देखा गया

(ख) गधे को बहुत बोझ ढोना पड़ता है, इसी कारण वह थक जाता है

(ग) आदमी द्वारा दुर्व्यवहार करने व बेवकूफ कहने के कारण गधा दुखी है

(घ) गधे के प्रसन्न मुख पर सदा स्थिर संतोष छाया रहता है

(4) गद्यांश में प्रयुक्त शब्दों 'छाया, निश्चय, अनायास' के लिए क्रमशः उचित विलोम शब्द हैं -

(क) असंतोष, अनिश्चय, प्रयास

(ख) शीतलता, अनिश्चय, सायास

(ग) धूप, अनिश्चय, सायास

(घ) वृक्ष, अनिश्चय, प्रयास

(5) 'सीधापन संसार के लिए उपयुक्त नहीं है।' लेखक का यह कथन व्यक्त करता है कि -

(क) उनका गधे के प्रति गहरा लगाव है।

(ख) समाज में गंधे को भी स्थान मिलना चाहिए।

(ग) गंधा निरापद सहिष्णु, सीधा-सादा होता है।

(घ) वे सद्गुणों के अनादर के लिए चिंतित हैं।

अथवा

यदि आप इस गद्यांश का चयन करते हैं तो कृपया उत्तर पुस्तिका में लिखिए कि आप प्रश्न संख्या 2 में दिए गए गद्यांश-2 पर आधारित प्रश्नों के उत्तर लिख रहे हैं।

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए। साहित्य की शाश्वतता का प्रश्न एक महत्वपूर्ण प्रश्न है। क्या साहित्य शाश्वत होता है? यदि हाँ, तो किस मायने में? क्या कोई साहित्य अपने रचनाकाल के सौ वर्ष बीत जाने पर भी उतना ही प्रासंगिक रहता है, जितना वह अपनी रचना के समय था? अपने समय या युग का निर्माता साहित्यकार क्या सौ वर्ष बाद की परिस्थितियों का भी युग-निर्माता हो सकता है। समय बदलता रहता है, परिस्थितियाँ और भावबोध बदलते हैं, साहित्य बदलता है और इसी के समानांतर पाठक की मानसिकता और अभिरुचि भी बदलती है। अतः कोई भी कविता अपने सामयिक परिवेश के बदल जाने पर ठीक वही उत्तेजना पैदा नहीं कर सकती, जो उसने अपने रचनाकाल के दौरान की होगी। कहने का तात्पर्य यह है कि एक विशेष प्रकार के साहित्य के श्रेष्ठ अस्तित्व मात्र से वह साहित्य हर युग के लिए उतना ही विशेष आकर्षण रखे, यह आवश्यक नहीं है। यही कारण है कि वर्तमान युग में इंगला पिंगला, सुषुम्ना, अनहद नाद आदि पारिभाषिक शब्दावली मन में विशेष भावोत्तेजन नहीं करती। साहित्य की श्रेष्ठता मात्र ही उसके नित्य आकर्षण का आधार नहीं है। उसकी श्रेष्ठता का युगयुगीन आधार है, वे जीवन मूल्य तथा उनकी अत्यंत कलात्मक अभिव्यक्तियाँ जो मनुष्य की स्वतंत्रता तथा उच्चतर मानव-विकास के लिए पथ-प्रदर्शक का काम करती हैं। पुराने साहित्य का केवल वही श्री-सौंदर्य हमारे लिए ग्राह्य होगा, जो नवीन जीवन-मूल्यों के विकास में सक्रिय सहयोग दे अथवा स्थिति रक्षा में सहायक हो। कुछ लोग साहित्य की सामाजिक प्रतिबद्धता को अस्वीकार करते हैं। वे मानते हैं कि साहित्यकार निरपेक्ष होता है और उस पर कोई भी दबाव आरोपित नहीं होना चाहिए। किंतु वे भूल जाते हैं कि साहित्य के निर्माण की मूल प्रेरणा मानव-जीवन में ही विद्यमान रहती है। जीवन के लिए ही उसकी सृष्टि होती है। तुलसीदास जब स्वांतः सुखाय काव्य-रचना करते हैं, तब अभिप्राय यह नहीं रहता कि मानव-समाज के लिए इस रचना का कोई उपयोग नहीं है, बल्कि उनके अंतःकरण में संपूर्ण संसार की सुख भावना एवं हित कामना सन्निहित रहती है। जो साहित्यकार अपने संपूर्ण व्यक्तित्व को व्यापक लोक जीवन में सन्निविष्ट कर देता है, उसी के हाथों स्थायी एवं प्रेरणाप्रद साहित्य का सृजन हो सकता है।

(1) साहित्य की श्रेष्ठता का निर्धारण सुनिश्चित करता है कि वह

(क) व्यक्ति को बहुमुखी प्रतिभा का धनी बनाता है।

(ख) लोक व्यवहार की पराकाष्ठा पर प्रतिक्रिया देता है।

(ग) सांस्कृतिक व ऐतिहासिक विरासत को बाधित करता है।

(घ) पथ-प्रशस्त कर मूल्यों का समावेशन करके कला भाव जगाता है।

(2) नवीन जीवन- मूल्यों के विकास में सक्रिय सहयोग से आशय है-

(क) स्वातंत्र्य: सुखाय की कामना कर आगे बढ़ना

(ख) श्री-सौंदर्य को प्राथमिकता देकर आगे बढ़ना

(ग) नवाचार व मूल्यों को आत्मसात कर आगे बढ़ना

(घ) वर्तमान में साहित्य के माध्यम से आगे बढ़ना

(3) 'कोई साहित्य अपने रचना काल के सौ वर्ष बीत जाने पर भी उतना ही प्रासंगिक रहता है।'

कथन के आधार पर उचित तर्क है -

(क) साहित्य की श्रेष्ठता मात्र ही उसके नित्य आकर्षण का आधार नहीं है।

(ख) संपूर्ण साहित्य का स्थायी व स्पष्ट आधार नहीं है।

(ग) लोक कल्याणकारी, स्थायी एवं प्रेरणाप्रद साहित्य होने की दशा में

(घ) पारिभाषिक शब्दावली द्वारा स्पष्टीकरण करने की दशा में

(4) 'साहित्यकार निरपेक्ष होता है और उस पर कोई भी दबाव आरोपित नहीं होना चाहिए।' कथन किस मनोवृत्ति को प्रकट करता है -

(क) सामाजिक कार्यकर्ता की विचारधारा

(ख) साहित्य की शाश्वत क्रियाशील विचारधारा

(ग) समाज के प्रति वचनबद्धता का अभाव

(घ) निरपेक्ष व्यक्तियों की सकारात्मकता

(5) गद्यांश में प्रयुक्त मानवजीवन समस्त पद का विग्रह एवं समास भेद होगा -

(क) मानव या जीवन - द्वन्द्व समास

(ख) मानव का जीवन- तत्पुरुष समास

(ग) मानव रूपी जीवन- द्विगु समास

(घ) मानव जो जीवन जीता है-अव्ययीभाव समास

खंड 'ख' व्यावहारिक व्याकरण

प्रश्न 3 निम्नलिखित पाँच भागों में से किन्हीं चार प्रश्नों के सही उत्तर वाले विकल्प चुनिए - (1×4 =4)

(1) 'ततार्रा की तलवार एक विलक्षण रहस्य थी।' इस वाक्य में से संज्ञा पदबंध छाँटिए।

(क) तलवार एक

(ख) ततार्रा की तलवार

(ग) रहस्य थी

(घ) विलक्षण रहस्य

(2) 'कबूतर परेशानी में झुंझर-उधर फड़फड़ा रहे थे।'

रेखांकित पदबंध का प्रकार है -

(क) सर्वनाम पदबंध

(ख) क्रिया पदबंध

(ग) क्रियाविशेषण पदबंध

(घ) विशेषण पदबंध

(3) बढ़ती हुई आबादियों ने समंदर को पीछे सरकाना शुरू कर दिया है। रेखांकित पदबंध का प्रकार है -

(क) विशेषण पदबंध

(ख) सर्वनाम पदबंध

(ग) क्रिया पदबंध

(घ) संज्ञा पदबंध

(4) ततार्रा दिनभर के अथक परिश्रम के बाद समुद्र किनारे टहलने निकल पड़ा।

रेखांकित पदबंध का भेद है-

(क) क्रिया विशेषण पदबंध

(ख) विशेषण पदबंध

(ग) क्रिया पदबंध

(घ) संज्ञा पदबंध

(5) ततार्रा एक नेक और मददगार व्यक्ति था। वाक्य में रेखांकित पदबंध का भेद है -

- (क) विशेषण पदबंध
- (ख) संज्ञा पदबंध
- (ग) क्रिया पदबंध
- (घ) क्रिया विशेषण पदबंध

प्रश्न 4 निम्नलिखित पाँच भागों में से किन्हीं चार प्रश्नों के सही उत्तर वाले विकल्प चुनिए - (1×4 =4)

(1) बड़े भाई साहब ने भी उसी उम्र में पढ़ना शुरू किया था जब मैंने शुरू किया था। रचना की दृष्टि से वाक्य है-

- (क) सरल वाक्य
- (ख) संयुक्त वाक्य
- (ग) मिश्रित वाक्य
- (घ) विधानवाचक वाक्य

(2) वामीरो कुछ सचेत हुई और घर की तरफ दौड़ी। इस संयुक्त वाक्य को परिवर्तित करने पर सरल वाक्य होगा -

- (क) जैसे ही वामीरो सचेत हुई वैसे ही वह घर की तरफ दौड़ी।
- (ख) वामीरो कुछ सचेत हुई और वह घर की तरफ दौड़ी।
- (ग) वामीरो कुछ सचेत होने पर घर की तरफ दौड़ी।
- (घ) सचेत वामीरो हुई तथा घर की तरफ दौड़ी।

(3) निम्नलिखित वाक्यों में मिश्र वाक्य है -

- (क) मेरे और भाई साहब के बीच अब केवल एक दरजे का अंतर और रह गया।
- (ख) आखिर आदमी को कुछ तो अपनी पोजीशन का खयाल रखना चाहिए।
- (ग) जबसे माता जी ने प्रबंध अपने हाथ में ले लिया है, तब से घर में लक्ष्मी आ गई है।
- (घ) मेरे रहते तुम बेराह न चलने पाओगे।

(4) 'सूर्य निकला और प्रकाश हो गया।' रूपांतरित करने पर वाक्य का सरल रूप होगा -

- (क) जैसे ही सूर्य निकला वैसे ही प्रकाश हो गया।

(ख) सूर्य निकलते ही प्रकाश हो गया।

(ग) जब सूर्य निकलता है तब प्रकाश होता है।

(घ) सूर्य निकला अतएव प्रकाश हो गया।

(5) 'एक ज़माना था कि लोग आठवाँ दरजा पास करके नायब तहसीलदार हो जाते थे।'

रचना की दृष्टि से वाक्य है -

(क) सरल वाक्य

(ख) संयुक्त वाक्य

(ग) मिश्र वाक्य

(घ) सामान्य वाक्य

प्रश्न 5 निम्नलिखित छह भागों में से किन्हीं चार प्रश्नों के सही उत्तर वाले विकल्प चुनिए - (1×4 =4)

(1) 'गुरुदक्षिणा' शब्द के सही समास विग्रह का चयन कीजिए।

(क) गुरु से दक्षिणा- तत्पुरुष समास

(ख) गुरु का दक्षिणा- तत्पुरुष समास

(ग) गुरु की दक्षिणा -तत्पुरुष समास

(घ) गुरु के लिए दक्षिणा -तत्पुरुष समास

(2) 'यथासमय' शब्द किस समास का उदाहरण है -

(क) कर्मधारय समास

(ख) बहुव्रीहि समास

(ग) अव्ययीभाव समास

(घ) तत्पुरुष समास

(3) 'अष्टाध्यायी' शब्द के लिए सही समास विग्रह का चयन कीजिए।

(क) आठ अध्यायों का समाहार- द्विगु समास

(ख) आठ हैं जो अध्याय - बहुव्रीहि समास

(ग) अष्ट और अध्याय - द्वंद्व समास

(घ) अष्ट के अध्याय - तत्पुरुष समास

(4) 'आशा को लाँघ कर गया हुआ' का समस्तपद है -

(क) आशालाँघ

(ख) आशातीत

(ग) आशावान

(घ) आशागत

(5) 'सज्जन' समस्तपद का विग्रह होगा -

(क) सद् है जो जन

(ख) सत् है जो जन

(ग) अच्छा है जो पुरुष

(घ) सत् के समान जन

(6) 'बाकायदा' शब्द के लिए सही समास विग्रह का चयन कीजिए।

(क) कायदे के अनुसार - अव्ययीभाव समास

(ख) कायदे के बिना- अव्ययीभाव समास

(ग) कायदे ही कायदे - अव्ययीभाव समास

(घ) कायदे के द्वारा कृत - तत्पुरुष समास

प्रश्न 6 निम्नलिखित पाँच में से किन्हीं चार प्रश्नों के उत्तर निर्देशानुसार दीजिए तथा सर्वाधिक उपयुक्त विकल्प का चयन कीजिए - (1×4 =4)

(1) 'अंधे के हाथ बटेर लगना' का अर्थ है

(क) अच्छा भाग्य

(ख) अच्छी वस्तु प्राप्त होना

(ग) भाग्यवश अच्छी वस्तु प्राप्त होना

(घ) अंधे व्यक्ति को बटेर प्राप्त होना

(2) सच्चे शूरवीर देश की रक्षा में प्राणों की.....। रिक्त स्थान की पूर्ति उचित मुहावरे से कीजिए -

(क) बाज़ी लगा देते हैं

(ख) जान लगा देते हैं।

(ग) ताकत लगा देते हैं

(घ) सुरक्षा लगा देते हैं

(3) 'गागर में सागर भरना' मुहावरे का सही अर्थ है

(क) कुछ न करना

(ख) थोड़े में बहुत कुछ कह देना

(ग) गागर में सागर का पानी भर देना

(घ) लंबी-चौड़ी बातें करना

(4) कभी नौकरी ढूँढने निकलोगे तो.....। रिक्त स्थान की पूर्ति उचित मुहावरे से कीजिए -

(क) ज़मीन पर पाँव न रखना

(ख) आटे - दाल का भाव मालूम होगा

(ग) दीवार खड़ी करना

(घ) नाम निशान मिटाना

(5) विद्यालय के वार्षिकोत्सव में इतने अधिक काम थे कि उन्हें निपटाते - निपटाते.....। उपयुक्त मुहावरे से रिक्त स्थान भरिए।

(क) दीन-दुनिया से गया

(ख) शब्द चाट डाला

(ग) दाँतों पसीना आ गया

(घ) डेरा डाल दिया

खंड - ग (पाठ्यपुस्तक)

प्रश्न 7 निम्नलिखित काव्यांश पर आधारित प्रश्नों के उत्तर उचित विकल्प छाँटकर दीजिए-(1×4 =4)

स्याम म्हाने चाकर राखो जी,

गिरधारी लाला म्होंने चाकर राखोजी ।

चाकर रहस्यूँ बाग लगास्यूँ नित उठ दरसण पास्यूँ ।

बिन्दरावन री कुंज गली में, गोविन्द लीला गास्यँ ।
चाकरी में दरसण पास्यँ, सुमरण पास्यँ खरची।
भाव भगत जागीरी पास्यँ, तीनू बाताँ सरसी।

(1) मीरा कृष्ण से क्या प्रार्थना कर रही हैं?

- (क) उनकी पीड़ा दूर करने की
- (ख) सेविका के रूप में स्वीकार करने की
- (ग) प्रेमिका के रूप में स्वीकार करने की
- (घ) उन्हें अपने पास रखने की

(2) कृष्ण की सेविका बनकर मीरा क्या करना चाहती हैं ?

- (क) बाग सजाना, दर्शन करना, गीत गाना
- (ख) प्रशंसा के गीत गाना और गोकुल में रहना
- (ग) रोज़ उठकर उनके दर्शन करना और रोना
- (घ) उनकी याद में रोना, दर्शन करना, गीत गाना

(3) मीरा वृंदावन की गलियों में -

- (क) कृष्ण से मिलना चाहती हैं
- (ख) कृष्ण का गुणगान करना चाहती हैं।
- (ग) कृष्ण को उलाहना देना चाहती हैं।
- (घ) कृष्ण की प्रतीक्षा करना चाहती हैं।

(4) कृष्ण की भाव-भक्ति में डूबना किसके समान है?

- (क) सुख और वैभव के समान
- (ख) मान-सम्मान के समान
- (ग) धन-दौलत के समान
- (घ) धन और सम्मान के समान

प्रश्न 8 निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर उचित विकल्प छाँटकर दीजिए- (1×5 =5)

ग्वालियर में हमारा एक मकान था। उस मकान के दालान में दो रोशनदान थे। उसमें कबूतर के एक जोड़े ने घोंसला बना लिया था। एक बार बिल्ली ने उचककर दो में से एक अंडा तोड़ दिया। मेरी माँ ने देखा तो उसे दुख हुआ। उसने स्टूल पर चढ़कर दूसरे अंडे को बचाने की कोशिश की। लेकिन इस कोशिश में दूसरा अंडा उसी के हाथ से गिरकर टूट गया। कबूतर परेशानी में इधर-उधर फड़फड़ा रहे थे। उनकी आँखों में दुख देखकर मेरी माँ की आँखों में आँसू आ गए। इस गुनाह को खुदा से मुआफ़ कराने के लिए उसने पूरे दिन रोज़ा रखा। दिनभर कुछ खाया-पिया नहीं, सिर्फ़ रोती रही और बार-बार नमाज पढ़-पढ़कर खुदा से इस गलती को मुआफ़ करने की दुआ माँगती रही।

(1) लेखक की माँ किस बात से दुखी थी ?

- (क) घर में कबूतरों ने घोंसला बना लिया था।
- (ख) कबूतर के दोनों अंडे टूट गए थे।
- (ग) कबूतर अंडों को छोड़कर चले गए थे।
- (घ) बिल्ली अंडों को खा गई थी।

(2) लेखक की माँ खुदा से किस गुनाह को माफ़ कराना चाहती थी ?

- (क) पहला अंडा तोड़ने का गुनाह
- (ख) बिल्ली को मारने का गुनाह
- (ग) दूसरा अंडा टूट जाने का गुनाह
- (घ) कबूतर का घोंसला तोड़ने का गुनाह

(3) प्रस्तुत गद्यांश से पता चलता है कि लेखक की माँ अत्यधिक

- (क) संवेदनशील थीं
- (ख) स्वार्थी थीं
- (ग) कमजोर थीं
- (घ) डरपोक थीं

(4) गद्यांश में प्रयुक्त निम्नलिखित शब्दों में से कौन-सा शब्द प्रत्यय के मेल से नहीं बना है?

- (क) गुनाह
- (ख) परेशानी
- (ग) रोशनदान

(घ) दिनभर

(5) माँ की आँखों में आँसू आ गए थे क्योंकि -

(क) कबूतर का अंडा बिल्ली ने तोड़ दिया था।

(ख) कबूतर का अंडा लेखक की माँ से टूट गया था।

(ग) लेखक की पत्नी ने कबूतर का अंडा तोड़ दिया था।

(घ) कबूतर की आँखों में दुख देखकर व्यथित हो गई थीं।

प्रश्न 9 निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर उचित विकल्प छाँटकर दीजिए- (1×5 =5)

वामीरो के रुदन स्वरों को सुनकर उसकी माँ वहाँ पहुँची और दोनों को देखकर आग बबूला हो उठी। सारे गाँववालों की उपस्थिति में यह दृश्य उसे अपमानजनक लगा। इस बीच गाँव के कुछ लोग भी वहाँ पहुँच गए। वामीरो की माँ क्रोध में उफन उठी। उसने तताँरा को तरह-तरह से अपमानित किया। गाँव के लोग भी तताँरा के विरोध में आवाज़ें उठाने लगे। यह तताँरा के लिए असहनीय था। वामीरो भी रोए जा रही थी। तताँरा भी गुस्से से भर उठा। उसे जहाँ विवाह की निषेध परंपरा पर क्षोभ था वहीं अपनी असहायता पर खीझ। वामीरो का दुख उसे और गहरा कर रहा था। उसे मालूम न था कि क्या कदम उठाना चाहिए। अनायास उसका हाथ तलवार की मूठ पर जा टिका। क्रोध में तलवार निकाली और कुछ विचार करता रहा। क्रोध लगातार अग्नि की तरह बढ़ रहा था। लोग सहम उठे, एक सन्नाटा सा खिंच गया। जब कोई राह न सूझी तो क्रोध का शमन करने के लिए उसने शक्ति भर उसे धरती में घोंप दिया और ताकत से उसे खींचने लगा। वह पसीने से नहा उठा। सब घबराए हुए थे। वह तलवार को अपनी तरफ़ खींचते-खींचते दूर तक पहुँच गया। वह हाँफ रहा था। अचानक जहाँ तक लकीर खिंच गई थी, वहाँ एक दरार होने लगी। मानो धरती दो टुकड़ों में बँटने लगी हो।

(1) गाँव के लोग तताँरा के विरोध में आवाज़ें क्यों उठा रहे थे ?

(क) वे तताँरा को अपमानित करना चाहते थे।

(ख) वे गाँव की निषेध परंपरा के पक्ष में थे।

(ग) गाँव की रीति के विरोध में थे

(घ) तताँरा को पशु पर्व में शामिल नहीं करना चाहते थे।

(2) तताँरा ने अपने क्रोध का शमन करने के लिए क्या किया ?

(क) वामीरो की माँ को बुरा-भला सुनाया

(ख) सब गाँववालों के विरोध में आवाज़ उठाई

(ग) अपनी तलवार से उपस्थित लोगों पर वार

(घ) अपनी तलवार को धरती में गाड़ दिया

(3) वामीरो की माँ के गुस्से का कारण क्या था ?

(क) गाँववालों का विरोध

(ख) पशु पर्व का आयोजन

(ग) वामीरो का रोना

(घ) ततार्रा का तलवार खींचना

(4) 'लोग सहम उठे, एक सन्नाटा-सा खिंच गया।' लोगों का सहम जाना दर्शाता है कि वे -

(क) विलक्षण दैवीय तलवार को देखने लग गए थे।

(ख) किसी भावी दुष्परिणाम की आशंका से ग्रसित थे।

(ग) जानते थे कि द्वीप दो भागों में बँट जाएगा।

(घ) ततार्रा-वामीरो के विवाह के लिए सहमत हो गए थे।

(5) प्रस्तुत गद्यांश में किस घटना का वर्णन है ?

(क) वामीरो की त्यागमयी मृत्यु का

(ख) निकोबार द्वीप के दो भागों में बँटने का

(ग) ततार्रा-वामीरो की प्रथम मुलाकात का

(घ) ततार्रा के आत्मीय स्वभाव का

प्रथम सत्र
प्रतिदर्श प्रश्नपत्र (2021-22)
हिन्दी पाठ्यक्रम - अ (कोड-002)
कक्षा - दसवीं

निर्धारित समय-90 मिनट

अधिकतम अंक-40

सामान्य निर्देश-

- इस प्रश्नपत्र में तीन खंड हैं - खंड - क, खंड - ख और खंड - ग ।
- इस प्रश्नपत्र में कुल 10 वस्तुपरक प्रश्न पूछे गए हैं । सभी प्रश्नों में उपप्रश्न दिए गए हैं । दिए गए निर्देशों का पालन करते हुए प्रश्नों के उत्तर दीजिए ।
- खंड-क में कुल 20 प्रश्न पूछे गए हैं, दिए गए निर्देशों का पालन करते हुए केवल 10 प्रश्नों के ही उत्तर दीजिए ।
- खंड-ख में कुल 20 प्रश्न पूछे गए हैं, दिए गए निर्देशों का पालन करते हुए केवल 16 प्रश्नों के ही उत्तर दीजिए ।
- खंड-ग में कुल 14 प्रश्न पूछे गए हैं । सभी प्रश्न अनिवार्य हैं ।
- सही उत्तर वाले गोले को भली प्रकार से केवल नीली या काली स्याही वाले बॉल पॉइंट पेन से ही ओ.एम.आर.शीट में भरें ।

खंड - क
(अपठित गद्यांश)

अंक-10

- 1 नीचे दो अपठित गद्यांश दिए गए हैं । किसी एक गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के सही विकल्प चुनकर लिखिए- 1x5=5

अंतर्राष्ट्रीय श्रम संगठन के अनुसार, बाल श्रम को इस प्रकार परिभाषित किया गया है: “वह काम जो बच्चों को उनके बचपन, उनकी क्षमता और उनकी गरिमा से वंचित करता है, और जो शारीरिक और मानसिक विकास के लिए हानिकारक है।”

एक सामाजिक बुराई के रूप में संदर्भित, भारत में बाल श्रम एक अनिवार्य मुद्दा है जिससे देश वर्षों से निपट रहा है। लोगों का मानना है कि बाल-श्रम जैसी सामाजिक

कुरीति को समाप्त करने का दायित्व सिर्फ सरकार का है । यदि सरकार चाहे तो कानून का पालन न करने वालों एवं कानून भंग करने वालों को सजा देकर बाल-श्रम को समाप्त कर सकती है, किंतु वास्तव में ये केवल सरकार की जिम्मेदारी नहीं है बल्कि इसे सभी सामाजिक संगठनों, मालिकों, और अभिभावकों द्वारा भी समाहित करना चाहिए।

हमारे घरों में, ढाबों में, होटलों में, खानों, कारखानों में अनेक बाल-श्रमिक मिल जाएँगे, जो कड़ाके की ठंड और तपती धूप की परवाह किए बिना काम करते हैं । विकासशील देशों में गरीबी और उच्च स्तर की बेरोजगारी बाल श्रम का मुख्य कारण है। बाल मजदूरी इंसानियत के लिये अपराध है जो समाज के लिये श्राप बनती जा रही है तथा जो देश की वृद्धि और

विकास में बाधक के रूप में बड़ा मुद्दा है। हमें सोचना होगा कि सभ्य समाज में यह अभिशाप क्यों मौजूद है ? जिस उम्र में बच्चों को सही शिक्षा मिलनी चाहिए, खेल कूद के माध्यम से अपने मस्तिष्क का विकास करना चाहिए उस उम्र में बच्चों से काम करवाने से बच्चों का शारीरिक, मानसिक, बौद्धिक और सामाजिक विकास रुक जाता है। शिक्षा का अधिकार मूल अधिकार होता है। शिक्षा से किसी भी बच्चे को वंचित रखना अपराध माना जाता है।

आज आवश्यकता इस बात की है कि सरकारी स्तर से लेकर व्यक्तिगत स्तर तक सभी लोग इसके प्रति सजग रहें और बाल-श्रम के कारण बच्चों का बचपन न छिन जाए, इसके लिए कुछ सार्थक पहल करें | आम आदमी को भी बाल मजदूरी के विषय में जागरूक होना चाहिए और अपने समाज में इसे होने से रोकना चाहिए। बालश्रम को खत्म करना केवल सरकार का ही कर्तव्य नहीं है हमारा भी कर्तव्य है कि हम इस अभियान में सरकार का पूरा साथ दें।

- (i) गद्यांश के आधार पर बताइए कि बाल-श्रम जैसी सामाजिक कुरीति को समाप्त करने के लिए लोगों की सोच कैसी है ?
 - (क) बाल-श्रम को समाप्त करना केवल समाजसेवी संस्थाओं का दायित्व है ।
 - (ख) बाल-श्रम को समाप्त करना केवल जनता का दायित्व है ।
 - (ग) बाल-श्रम को समाप्त करना केवल सरकार का दायित्व है ।
 - (घ) बाल-श्रम को समाप्त करना केवल अभिभावकों का दायित्व है ।
- (ii) घरों में, ढाबों में, होटलों में, खानों, कारखानों में अनेक बाल-श्रमिकों को काम करता देखकर भी हम उदासीन क्यों बने रहते हैं ?
 - (क) हम सिर्फ अपने बारे में ही सोचते हैं ।
 - (ख) हम जागरूक बनना नहीं चाहते ।
 - (ग) हम उनकी सहायता करना नहीं चाहते ।
 - (घ) हम संवेदना शून्य हो चुके हैं ।
- (iii) गद्यांश के आधार पर बताइए कि बाल-श्रम को रोकने के लिए सार्थक प्रयास क्यों किए जाने चाहिए ?
 - (क) बाल-श्रम के कारण बच्चों का बचपन छिन जाता है ।
 - (ख) बाल-श्रम के कारण वे जल्दी बड़े हो जाते हैं ।
 - (ग) बाल-श्रम के कारण बच्चों को घर पर ही रहना पड़ता है ।
 - (घ) बाल-श्रम के कारण बच्चों को विद्यालय आना नहीं पड़ता ।
- (iv) बच्चों को बाल-श्रम के लिए क्यों विवश किया जाता है ?

- (क) जागरूकता का अभाव ।
 - (ख) निर्धनता और भुखमरी ।
 - (ग) शिक्षा का अभाव ।
 - (घ) लोगों की मनोवृत्ति ।
-
- (v) बाल-श्रम जैसे सामाजिक अभिशाप से देश को क्या नुकसान होता है ?
 - (क) बाल श्रम एक बच्चे को बचपन के सभी लाभों से दूर रखता है ।
 - (ख) लाखों बच्चे उचित शिक्षा से वंचित हो जाते हैं ।
 - (ग) बच्चों का शारीरिक, मानसिक और सामाजिक विकास अवरुद्ध हो जाता है ।
 - (घ) बाल-श्रम से देश का आने वाला कल अंधकार की ओर जाने लगता है।

अथवा

निसंदेह सहजता से हर एक दिन भिन्न-भिन्न भूमिकाएँ जीते हुए, महिलाएँ किसी भी समाज का स्तम्भ हैं । लेकिन आज भी दुनिया के कई हिस्सों में समाज उनकी भूमिका को नज़रअंदाज़ करता है। इसके चलते महिलाओं को बड़े पैमाने पर असमानता, उत्पीड़न, वित्तीय निर्भरता और अन्य सामाजिक बुराइयों का खामियाजा सहन करना पड़ता है। भारत में महिला सशक्तिकरण की आवश्यकता के बहुत से कारण सामने आते हैं। प्राचीन काल की अपेक्षा मध्य काल में भारतीय महिलाओं के सम्मान स्तर में काफी कमी आयी। जितना सम्मान उन्हें प्राचीन काल में दिया जाता था, मध्य काल में वह सम्मान घटने लगा था।

आधुनिक युग में कई भारतीय महिलाएँ कई सारे महत्वपूर्ण राजनैतिक तथा प्रशासनिक पदों पर पदस्थ हैं, फिर भी सामान्य ग्रामीण महिलाएँ आज भी अपने घरों में रहने के लिए बाध्य हैं और उन्हें सामान्य स्वास्थ्य सुविधा और शिक्षा जैसी सुविधाएँ भी उपलब्ध नहीं हैं। ग्रामीण महिलाएँ सदियों से घर तथा खेतों में पुरुषों के बराबर ही काम करती आई हैं, लेकिन वहाँ उन्हें सामंती सोच के कारण दूसरे दर्जे का नागरिक ही माना जाता रहा है । अब ग्रामीण समाज की सोच बदलने का वक्त आ गया है । सामाजिक असमानता, पारिवारिक हिंसा, अत्याचार और आर्थिक अनिर्भरता इन सभी से महिलाओं को छूटकारा पाना है तो जरूरत है महिला सशक्तिकरण की।

महिला सशक्तिकरण से महिलाएँ आत्मनिर्भर और शक्तिशाली बनती हैं । जिससे वे अपने जीवन से जुड़े हर फैसले स्वयं ले सकती हैं और परिवार और समाज में अपना स्थान बनाती हैं । समाज में उनके वास्तविक अधिकार को प्राप्त करने के लिए उन्हें सक्षम बनाना महिला सशक्तिकरण है । महिला सशक्तिकरण का अर्थ है महिलाओं को राजनीतिक, सामाजिक, शैक्षणिक और आर्थिक क्षेत्रों में बराबर का भागीदार बनाया जाए । भारतीय महिलाओं का सशक्तिकरण बहुत हद तक भौगोलिक (शहरी और ग्रामीण), शैक्षणिक योग्यता, और सामाजिक एकता के ऊपर निर्भर करता है ।

महिला सशक्तिकरण से महिलाएँ केवल आर्थिक रूप से सुदृढ़ ही नहीं हुई हैं, अपितु परिवार और समाज की सोच में भी सकारात्मक परिवर्तन दिखाई देने लगे हैं। वर्तमान समय में लोग बेटियों को बोझ समझकर दुनिया में आने से पहले ही मारें नहीं, इसलिए विकास की मुख्यधारा में महिलाओं को लाने के लिये भारत सरकार के द्वारा कई योजनाएं चलाई गई हैं।

- (i) गद्यांश के आधार पर बताइए कि महिला सशक्तिकरण की आवश्यकता क्यों महसूस की गई ?
 - (क) समाज में महिलाओं की स्थिति निर्बल थी।
 - (ख) वे आत्मनिर्भर थी।
 - (ग) वे अपने निर्णय लेने में सक्षम थीं।
 - (घ) वे शिक्षित थीं।
- (ii) ग्रामीण सोच में परिवर्तन लाने के लिए क्या किया जा सकता है ?
 - (क) गाँवों में सुविधाएँ उपलब्ध कराना।
 - (ख) सड़कें बनवाना।
 - (ग) अंधविश्वास और रूढ़ियों का विरोध।
 - (घ) शिक्षा का प्रचार-प्रसार।
- (iii) अब लोग बेटियों को बोझ नहीं समझते, यह समाज की किस सोच का परिणाम है ?
 - (क) पुरातन।
 - (ख) सकारात्मक।
 - (ग) नकारात्मक।
 - (घ) संकीर्ण।
- (iv) महिला सशक्तिकरण से परिवार की आर्थिक स्थिति पर क्या प्रभाव दिखाई दिया ?
 - (क) वित्तीय निर्भरता समाप्त।
 - (ख) आर्थिक स्थिति में दुर्बलता।
 - (ग) आर्थिक स्थिति में सुदृढ़ता।
 - (घ) वित्तीय ऋण से मुक्ति।
- (v) क्या महिलाओं के सशक्तिकरण का पक्ष मात्र आर्थिक रूप से सशक्त होना ही है ?
 - (क) हाँ, इससे वे आत्मनिर्भर हो जाती हैं।
 - (ख) नहीं, इससे उन्हें दोहरी जिम्मेदारियाँ निभानी पड़ती हैं।

- (ग) हाँ, इससे वे शक्तिशाली बनती हैं ।
 (घ) नहीं, उनका भय-मुक्त,प्रतिबंधों से मुक्त होना भी आवश्यक है ।

2 नीचे दो काव्यांश दिए गए हैं । किसी एक काव्यांश को ध्यानपूर्वक पढ़िए और उस पर 1x5=5

आधारित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए-

देश के आज़ाद होने पर बिता लंबी अवधि
 अब असह्य इस दर्द से हैं धमनियाँ फटने लगीं
 व्यर्थ सीढ़ीदार खेतों में कड़ी मेहनत किए
 हो गया हूँ और जर्जर, बोझ ढोकर थक गया
 अब मरूंगा तो जलाने के लिए मुझको,
 अरे ! दो लकड़ियाँ भी नहीं होंगी सुलभ इन जंगलों से ।
 वन कहाँ हैं ? जब कुल्हाड़ों की तृषा है बढ़ रही
 काट डाले जा रहे हैं मानवों के बंधु तरुवर
 फूल से, फल से, दलों से, मूल से, तरु-छाल से
 सर्वस्व देकर जो मनुज को लाभ पहुँचाते सदा
 कट रहे हैं ये सभी वन,
 पर्वतों की दिव्य शोभा हैं निरंतर हो रही विद्रूप,
 ऋतुएँ रो रहीं गगनचुम्बी वन सदा जिनके हृदय से
 फूटते झरने, नदी बहती सुशीतल नीर की
 हर पहर नित चहकते हैं कूकते रहते विहग
 फूल पृथ्वी का सहज श्रृंगार करते हैं जहाँ ।

- (i) 'अब असह्य इस दर्द से' - मैं असह्य दर्द का कारण क्या है ?
 (क) आज़ादी के बाद लंबी अवधि बिता देना ।
 (ख) खेतों में कड़ी मेहनत करना ।
 (ग) वनों का न रहना ।
 (घ) जर्जर हो जाना ।

- (ii) 'जब कुल्हाड़ों की तृषा है बढ़ रही'- कथन से क्या तात्पर्य है ?
 (क) हिंसा बढ़ना।
 (ख) सामाजिक क्रांति होना ।
 (ग) युद्ध का अवसर आना ।
 (घ) पेड़ों को काटकर भी तृप्त न होना ।

- (iii) अंत्येष्टि के लिए लकड़ियाँ सुलभ न होने का कारण है-

- (क) वन काटे जा रहे हैं ।
 - (ख) वर्षा के अभाव में वनों का सूखना ।
 - (ग) वन महोत्सव ।
 - (घ) मुनाफाखोरी ।
- (iv) पेड़ों को मानव-बंधु क्यों कहा गया है ?
- (क) मानव पेड़ों का व्यापार करता है ।
 - (ख) पेड़ हमें अपना सर्वस्व देते हैं ।
 - (ग) पेड़ हमें ईंधन देते हैं ।
 - (घ) मानव पेड़ों का रक्षक है ।
- (v) इस कविता में क्या प्रेरणा दी गई है ?
- (क) स्वच्छता की ।
 - (ख) स्वार्थी बनने की ।
 - (ग) वन-कटाई की ।
 - (घ) वन-संरक्षण की ।

अथवा

मैं बचपन को बुला रही थी बोल उठी बिटिया मेरी।
नन्दन वन-सी फूल उठी यह छोटी-सी कुटिया मेरी॥

'माँ ओ' कहकर बुला रही थी मिट्टी खाकर आई थीं।
कुछ मुँह में कुछ लिए हाथ में मुझे खिलाने लाई थी॥

पुलक रहे थे अंग, दगों में कौतुहल था छलक रहा।
मुँह पर थी आह्लाद-लालिमा विजय-गर्व था झलक रहा॥

मैंने पूछा 'यह क्या लाई'? बोल उठी वह 'माँ, काओ'।
हुआ प्रफुल्लित हृदय खुशी से मैंने कहा- 'तुम्हीं खाओ'॥

पाया मैंने बचपन फिर से बचपन बेटी बन आया।
उसकी मंजुल मूर्ति देखकर मुझ में नवजीवन आया॥

मैं भी उसके साथ खेलती खाती हूँ, तुतलाती हूँ।
मिलकर उसके साथ स्वयं मैं भी बच्ची बन जाती हूँ॥

जिसे खोजती थी बरसों से अब जाकर उसको पाया।
भाग गया था मुझे छोड़कर वह बचपन फिर से आया।।

- सुभद्रा कुमारी चौहान

- (i) काव्यांश के आधार पर बताइए कि कवयित्री ने अपने बचपन को किस रूप में पुनः पाया ?
- (क) सहेली के रूप में ।
 - (ख) अपनी बिटिया के रूप में ।
 - (ग) बचपन की मधुर स्मृति के रूप में ।
 - (घ) माँ के रूप में ।

(ii) कवयित्री वर्षों से किसे खोज रहीं थीं ?

- (क) अपनी बेटी को ।
- (ख) बचपन की सहेली को ।
- (ग) अपनों के साहचर्य को ।
- (घ) अपने बचपन को ।

(iii) कवयित्री की बेटी के चेहरे पर किस कारण विजय- गर्व झलक रहा था ?

- (क) माँ को संग खेलते देखकर ।
- (ख) माँ के साथ मिट्टी में खेलने के कारण ।
- (ग) माँ को मिट्टी खिलाने लाने के कारण ।
- (घ) माँ को प्रसन्न देखकर ।

(iv) मिट्टी खिलाने आई बेटी की छवि कैसी थी ?

- (क) उसका शरीर धूल धूसरित था और आँखों में डर था ।
- (ख) उसका अंग-अंग पुलकित हो रहा था और उसकी भोली आँखों से उत्सुकता छलक रही थी।
- (ग) उसकी आँखों में शरारत नज़र आ रही थी ।
- (घ) उसकी छवि मनमोहक और आकर्षक थी ।

(v) बेटी और माँ के बीच क्या संवाद हुआ ?

- (क) माँ ने पूछा 'यह क्या लाई हो' और बेटी बोल उठी 'माँ ! काओ।'।
- (ख) माँ ने पूछा 'मिट्टी क्यों खा रही हो ?' और बेटी बोल उठी 'माँ ! तुम भी खाओ ।'
- (ग) माँ ने पूछा 'क्या खेल रही हो ? और बेटी बोल उठी 'माँ ! आओ तुम भी खेलो ।'
- (घ) माँ ने पूछा 'हाथ में क्या लाई हो?' और बेटी बोल उठी 'माँ ! तुम्हारे लिए मिट्टी लाई हूँ ।'

खंड - ख

(व्यावहारिक व्याकरण)

अंक-16

1x4=4

3 निर्देशानुसार किन्हीं चार प्रश्नों के उत्तर लिखिए -

(i) बादल घिर आए और वर्षा होने लगी ।

रचना के आधार पर वाक्य-भेद है -

(क) सरल वाक्य ।

(ख) मिश्र वाक्य ।

(ग) संयुक्त वाक्य ।

(घ) साधारण वाक्य ।

(ii) निम्नलिखित में मिश्र वाक्य है -

(क) अवनि आई और पढ़ने बैठ गई ।

(ख) बच्चे दूध पीकर सो गए ।

(ग) अध्यापक के सामने सब शांत रहते हैं ।

(घ) जो झूठ बोलते हैं, उन पर विश्वास मत करो ।

(iii) आनंद चार दिन गाँव में रहा । वह सबका प्रिय हो गया ।

इस वाक्य का संयुक्त वाक्य में रूपांतरण होगा -

(क) आनंद चार दिन गाँव में रहा और सबका प्रिय हो गया ।

(ख) जब आनंद चार दिन गाँव में रहा, तब वह सबका प्रिय हो गया ।

(ग) आनंद चार दिन गाँव में रहकर सबका प्रिय हो गया ।

(घ) आनंद जब चार दिन गाँव में रहा तो वह सबका प्रिय हो गया ।

(iv) वह पुस्तक कहाँ है, जो कल खरीदी थी ?

रेखांकित उपवाक्य का भेद है -

(क) संज्ञा आश्रित उपवाक्य ।

(ख) सर्वनाम आश्रित उपवाक्य ।

(ग) क्रिया विशेषण आश्रित उपवाक्य ।

(घ) विशेषण आश्रित उपवाक्य ।

(v) निम्नलिखित में सरल वाक्य है -

(क) जैसे ही वर्षा हुई वैसे ही मोर नाचने लगे ।

(ख) वर्षा हुई और मोर नाचने लगे ।

(ग) वर्षा होते ही मोर नाचने लगे ।

(घ) जब वर्षा होती है तब मोर नाचते हैं ।

4 निर्देशानुसार किन्हीं चार प्रश्नों के उत्तर लिखिए -

1x4=4

(i) निम्नलिखित वाक्य का वाच्य लिखिए -

पर्यटकों द्वारा तीर्थ यात्रा की जाएगी ।

(क) कर्तृ वाच्य ।

(ख) भाव वाच्य ।

(ग) कर्म वाच्य ।

(घ) करण वाच्य ।

(ii) हालदार साहब ने पान खाया ।

उपर्युक्त वाक्य को कर्मवाच्य में बदलिए ।

(क) हालदार साहब द्वारा पान खाया जाता है ।

(ख) हालदार साहब से पान नहीं खाया जाता ।

(ग) हालदार साहब पान खा रहे हैं ।

(घ) हालदार साहब द्वारा पान खाया गया ।

(iii) पक्षी बाग छोड़कर नहीं उड़े ।

उपर्युक्त वाक्य को भाव वाच्य में बदलिए ।

(क) पक्षी बाग छोड़कर नहीं उड़ सके ।

(ख) पक्षियों से बाग छोड़कर उड़ा नहीं गया ।

(ग) पक्षी बाग छोड़कर नहीं उड़ सकते ।

(घ) पक्षियों से बाग छोड़कर उड़ा नहीं जाता ।

(iv) निम्नलिखित वाक्यों में से कर्तृ वाच्य वाला वाक्य छांटिए-

(क) छात्रों द्वारा सभी का स्वागत हुआ ।

(ख) छात्रों से सभी का स्वागत करवाया गया ।

(ग) छात्रों ने सभी का स्वागत किया ।

(घ) छात्रों द्वारा सभी का स्वागत किया जाएगा ।

(v) निम्नलिखित में से कौन-सा भाव वाच्य का सही विकल्प है ?

(क) आओ, वहाँ बैठे ।

(ख) आओ वहाँ बैठा जाए ।

(ग) अब वहाँ बैठते हैं ।

(घ) चलो, अब वहाँ बैठें ।

5 निर्देशानुसार किन्हीं चार प्रश्नों के उत्तर लिखिए -

1x4=4

(i) हम कल दिल्ली जा रहे हैं। रेखांकित पद का परिचय है -

- (क) जातिवाचक संज्ञा, एकवचन, पुल्लिङ्ग, कर्ता कारक।
- (ख) व्यक्तिवाचक संज्ञा, एकवचन, पुल्लिङ्ग, अधिकरण कारक।
- (ग) व्यक्तिवाचक संज्ञा, एकवचन, पुल्लिङ्ग, कर्म कारक।
- (घ) जातिवाचक संज्ञा, एकवचन, पुल्लिङ्ग, अपादान कारक।

(ii) यह बालक बहुत मेधावी है।

- (क) निश्चयवाचक सर्वनाम, एकवचन, पुल्लिङ्ग, कर्ता कारक।
- (ख) जातिवाचक संज्ञा, बहुवचन, पुल्लिङ्ग, कर्ता कारक।
- (ग) सार्वनामिक विशेषण, एकवचन, पुल्लिङ्ग, विशेष्य 'बालक'।
- (घ) गुणवाचक विशेषण, एकवचन, पुल्लिङ्ग, विशेष्य 'बालक'।

(iii) अचानक वर्षा होने लगी।

- (क) कालवाचक क्रिया विशेषण, 'होने लगी' क्रिया की विशेषता।
- (ख) रीतिवाचक क्रिया विशेषण, 'होने लगी' क्रिया की विशेषता।
- (ग) स्थानवाचक क्रिया विशेषण, 'होने लगी' क्रिया की विशेषता।
- (घ) परिमाणवाचक क्रिया विशेषण, 'होने लगी' क्रिया की विशेषता।

(iv) वाह ! भारत मैच जीत गया।

- (क) समुच्चयबोधक अव्यय।
- (ख) विस्मयादिसूचक अव्यय, शोकसूचक भाव की अभिव्यक्ति।
- (ग) संबंधबोधक अव्यय।
- (घ) विस्मयादिसूचक अव्यय, प्रसन्नतासूचक भाव की अभिव्यक्ति।

(v) शाबाश ! तुमने बहुत अच्छा कार्य किया।

- (क) मध्यम पुरुषवाचक सर्वनाम, एकवचन, कर्ता कारक।
- (ख) निजवाचक सर्वनाम, एकवचन, कर्ता कारक।
- (ग) मध्यम पुरुषवाचक सर्वनाम, बहुवचन, कर्ता कारक।
- (घ) उत्तम पुरुषवाचक सर्वनाम, एकवचन, कर्म कारक।

6 निर्देशानुसार किन्हीं चार प्रश्नों के उत्तर लिखिए -

1x4=4

(i) एक ओर अजगरहिं लखि एक ओर मृगराय /

विकल बटोही बीच ही, परयो मूरछा खाय //

उपर्युक्त काव्य पंक्तियों में निहित रस है -

- (क) वीर रस ।
- (ख) करुण रस ।
- (ग) भयानक रस ।
- (घ) रौद्र रस ।

(ii) 'उत्साह' किस रस का स्थायी भाव है ?

- (क) शांत रस ।
- (ख) वीर रस ।
- (ग) हास्य रस ।
- (घ) रौद्र रस ।

(iii) श्रीकृष्ण के सुन वचन अर्जुन क्षोभ से जलने लगे /
सब शील अपना भूलकर करतल युगल मलने लगे /
संसार देखे अब हमारे शत्रु रण में मृत पड़े /
करते हुए यह घोषणा वे हो गए उठ कर खड़े //

उपर्युक्त काव्य पंक्तियों में निहित रस है -

- (क) रौद्र रस ।
- (ख) वीभत्स रस ।
- (ग) भयानक रस ।
- (घ) वीर रस ।

(iv) विभाव, अनुभाव और संचारी भावों की सहायता से क्या रस रूप में परिणत हो जाते हैं ?

- (क) आलंबन विभाव ।
- (ख) व्यभिचारी भाव ।
- (ग) उद्दीपन विभाव ।
- (घ) स्थायी भाव ।

(v) 'अद्भुत रस' का स्थायी भाव है -

- (क) भय ।
- (ख) विस्मय ।
- (ग) जुगुप्सा ।

(घ) क्रोध ।

खंड - ग

(पाठ्य पुस्तक)

अंक-14

7 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प चुनकर लिखिए-

1x5=5

नहीं साब ! वो लँगड़ा क्या जाएगा फ़ौज में । पागल है पागल ! वो देखो, वो आ रहा है । आप उसी से बात कर लो । फ़ोटो-वोटो छपवा दो उसका कहीं ।

हालदार साहब को पानवाले द्वारा एक देशभक्त का इस तरह मज़ाक उड़ाया जाना अच्छा नहीं लगा । मुड़कर देखा तो अवाक् रह गए । एक बेहद बूढ़ा मरियल-सा लँगड़ा आदमी सिर पर गांधी टोपी और आँखों पर काला चश्मा लगाए एक छोटी-सी संदूकची और दूसरे हाथ में एक बाँस पर टँगे बहुत-से चश्मे लिए अभी-अभी एक गली से निकला था और अब एक बंद दुकान के सहारे अपना बाँस टिका रहा था । तो इस बेचारे की दुकान भी नहीं ! फेरी लगाता है ! हालदार साहब चक्कर में पड़ गए । पूछना चाहते थे, इसे कैप्टन क्यों कहते हैं ? क्या यही इसका वास्तविक नाम है ? लेकिन पानवाले ने साफ़ बता दिया था कि अब वह इस बारे में और बात करने को तैयार नहीं।

(i) प्रस्तुत गद्यांश में देशभक्त किसे कहा गया है ?

- (क) हालदार साहब को ।
- (ख) कैप्टन चश्मेवाले को ।
- (ग) सामान्य आदमी को ।
- (घ) लेखक को ।

(ii) पानवाले की कौन-सी बात हालदार साहब को अच्छी नहीं लगी ?

- (क) मूर्ति बनानेवाले का अपमान ।
- (ख) हालदार साहब पर हँसना ।
- (ग) मूर्तिकार के कार्य पर टीका-टिप्पणी ।
- (घ) एक देशभक्त का मज़ाक उड़ाना ।

(iii) चश्मेवाला एक बंद दुकान के सहारे अपना बाँस क्यों टिका रहा था ?

- (क) उसकी अपनी कोई दुकान नहीं थी ।
- (ख) उसे किसी से बात करनी थी ।
- (ग) यह दुकान बाज़ार के बीचों-बीच थी ।
- (घ) वह उसके जानकार की दुकान थी ।

- (iv) हालदार साहब पानवाले से कैप्टन चश्मेवाले के बारे में क्या पूछना चाहते थे ?
- (क) चश्मेवाला फेरी क्यों लगाता है ?
- (ख) वह चश्मे कब से बेच रहा है ?
- (ग) इसे कैप्टन क्यों कहते हैं ?
- (घ) वह कहाँ रहता है ?
- (v) हालदार साहब किस कारण कैप्टन के बारे में और जानकारी प्राप्त नहीं कर सके ?
- (क) पानवाले ने इस बारे में बात करने से मना कर दिया ।
- (ख) पानवाला कैप्टन के बारे में अधिक नहीं जानता था ।
- (ग) हालदार साहब के पास समय की कमी थी ।
- (घ) कैप्टन ने जानकारी देने से मना कर दिया ।

8 निम्नलिखित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए-

1x2=2

- (i) बेटे की मृत्यु के पश्चात् बालगोबिन भगत का आखिरी निर्णय क्या था ?
- (क) पतोहू का पुनर्विवाह करवाना ।
- (ख) पतोहू को शिक्षा दिलवाना ।
- (ग) पतोहू को घर से निकालना ।
- (घ) पतोहू से घृणा करना ।
- (ii) लेखक रामवृक्ष बेनीपुरी जी बालगोबिन भगत की किस विशेषता पर अत्यधिक मुग्ध थे ?
- (क) पहनावे पर ।
- (ख) व्यवहार पर ।
- (ग) मधुर गान पर ।
- (घ) कार्य कुशलता पर ।

9 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प चुनकर लिखिए-

1x5=5

नाथ संभुधनु भंजनिहारा। होइहि केउ एक दास तुम्हारा॥
 आयेसु काह कहिअ किन मोही। सुनि रिसाइ बोले मुनि कोही॥
 सेवकु सो जो करै सेवकाई। अरि करनी करि करिअ लराई॥
 सुनुहु राम जेहि सिवधनु तोरा। सहसबाहु सम सो रिपु मोरा॥
 सो बिलगाउ बिहाइ समाजा। न त मारे जैहहिं सब राजा॥
 सुनि मुनि बचन लखन मुसुकाने। बोले परसुधरहि अपमाने॥
 बहु धनुही तोरी लरिकाई। कबहुँ न असि रिस कीन्हि गोसाई॥

येहि धनु पर ममता केहि हेतू। सुनि रिसाइ कह भृगुकुलकेतू॥

रे नृप बालक काल बस बोलत तोहि न सँभार।
धनुही सम तिपुरारि धनु बिदित सकल संसार॥

- (i) परशुराम के क्रोध को शांत करने के लिए राम ने उनसे क्या कहा ?
- (क) धनुष तोड़नेवाला कोई राजकुमार है ।
- (ख) धनुष तोड़नेवाला आपका कोई सेवक होगा ।
- (ग) धनुष तोड़नेवाला आपका कोई मित्र होगा ।
- (घ) यह धनुष अपने आप टूट गया ।
- (ii) स्वयंवर में जो धनुष टूट गया था, वह किसका धनुष था ?
- (क) राजा जनक का ।
- (ख) राम का ।
- (ग) विष्णु जी का ।
- (घ) परशुराम जी के आराध्य शिवजी का ।
- (iii) शिव-धनुष टूटने पर परशुराम क्रोधित क्यों हुए ?
- (क) परशुराम जी शिव-भक्त थे और उन्हें शिव-धनुष प्रिय था ।
- (ख) उन्हें सीता-स्वयंवर में आमंत्रित नहीं किया गया था ।
- (ग) वे क्षत्रिय कुल के विद्रोही थे ।
- (घ) परशुराम जी क्रोधी स्वभाव के थे ।
- (iv) 'भृगुकुलकेतू' किसे कहा गया है ?
- (क) लक्ष्मण को ।
- (ख) राजा जनक को ।
- (ग) परशुराम को ।
- (घ) विश्वामित्र को ।
- (v) शिव-धनुष तोड़ने वाले की तुलना परशुराम ने अपने किस शत्रु से की है ?
- (क) कर्ण ।
- (ख) सहसबाहु ।
- (ग) घटोत्कच ।
- (घ) दुर्योधन ।

10 निम्नलिखित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए-

1x2=2

(i) गोपियों के अनुसार किसने राजनीति की शिक्षा प्राप्त कर ली है ?

- (क) कंस ने ।
- (ख) नंद ने ।
- (ग) श्री कृष्ण ने ।
- (घ) उद्धव ने ।

(ii) 'सूरदास के पद' के आधार पर बताइए कि गोपियों ने व्यंग्य कसते हुए किसे भाग्यशाली कहा है ?

- (क) श्री कृष्ण को ।
- (ख) उद्धव को ।
- (ग) सूरदास को ।
- (घ) स्वयं को ।

प्रतिदर्श प्रश्नपत्र द्वितीय सत्र 2021-22

विषय- हिंदी 'ब'

कोड - 085

कक्षा - दसवीं

समय : 2 घंटे

पूर्णांक - 40

सामान्य निर्देश :

* इस प्रश्न पत्र में कुल 2 खंड हैं - खंड 'क' और 'ख' ।

* खंड 'क' में कुल 3 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उत्तर दीजिए।

*खंड 'ख' में कुल 5 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उत्तर दीजिए।

*कुल प्रश्नों की संख्या 8 है।

*प्रत्येक प्रश्न को ध्यान पूर्वक पढ़ते हुए यथासंभव क्रमानुसार उत्तर लिखिए।

खंड - क

प्रश्न 1 निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में दीजिए- (2×2=4 अंक)

(क) 'पर्वत प्रदेश में पावस' कविता में पर्वत द्वारा अपना प्रतिबिंब तालाब में देखना पर्वत के किन मनोभावों को स्पष्ट करना चाहता है?

(ख) 'कर चले हम फ़िदा' कविता और 'कारतूस' एकांकी के भावों की तुलना कीजिए । विश्लेषण करते हुए अपने मत के समर्थन में तर्क प्रस्तुत कीजिए ।

(ग) वज़ीर अली के जीवन का लक्ष्य अंग्रेज़ों को इस देश से बाहर करना था। 'कारतूस' पाठ के आधार पर कथन की सत्यता सिद्ध कीजिए।

प्रश्न 2 निम्नलिखित दो प्रश्नों में से किसी एक प्रश्न का उत्तर लगभग 60-70 शब्दों में दीजिए- (4×1 =4 अंक)

(क) मृगाक्षी एक बहुराष्ट्रीय कंपनी में मैनेजर के पद पर आसीन है। श्रेष्ठ संचालन व बहुमुखी प्रतिभा की धनी होने के साथ ही बुद्धिमानी से तथ्यों को सुलझाने और सभी कार्यों को व्यवस्थित करने में उसका कोई सानी नहीं। वह रात-दिन काम में जुटी रहती है। कंपनी के स्तर को बढ़ाने के लिए सदैव प्रयासरत रहती है। कुछ दिनों से उसके सिर में दर्द रहने लगा है तथा नींद भी ठीक से नहीं आती है। ज़रा-ज़रा सी बात में चिड़चिड़ापन होता है तथा अक्सर उदासी उसे घेरे रहती है।

इसका क्या कारण हो सकता है? 'पतझर में टूटी पतियाँ' पाठ में 'झेन की देन' हमें जो सीख प्रदान करती है, क्या वह मृगाक्षी के लिए सही साबित हो सकती है? स्थिति का मूल्यांकन करते हुए अपने विचार लिखिए। (4 अंक)

अथवा

(ख) दुनिया भर में असहिष्णुता लगभग आम हो गई है। जाति, धर्म, रंग और वैचारिक रूप से भिन्न दृष्टिकोण रखने वाले लोगों के प्रति असहिष्णुता की घटनाएँ बढ़ती जा रही हैं। सहिष्णुता की परिभाषा पर विचार करें तो जिस विश्वास और प्रथा को हम पसंद नहीं करते उसमें बाधा डालने की बजाय संयम बरतना ही सहिष्णुता है।

कवि मैथिलीशरण गुप्त जी ने कहा, 'अतर्क एक पंथ के सतर्क पंथ हों सभी।' इस पंक्ति की सार्थकता व वर्तमान समय में इसका औचित्य स्थापित कीजिए।

प्रश्न 3 पूरक पाठ्यपुस्तक संचयन के किन्हीं तीन प्रश्नों में से दो के उत्तर दीजिए। (3 × 2=6)

(क) कल भी उनके यहाँ गया था, लेकिन न तो वह कल ही कुछ कह सके और न आज ही। दोनों दिन उनके पास में देर तक बैठा रहा, लेकिन उन्होंने कोई बातचीत नहीं की। जब उनकी तबीयत के बारे में पूछा तब उन्होंने सिर उठाकर एक बार मुझे देखा फिर सिर झुकाया तो दुबारा मेरी ओर नहीं देखा। हालाँकि उनकी एक ही नज़र बहुत कुछ कह गई। जिन यंत्रणाओं के बीच वह घिरे थे और जिस मनःस्थिति में जी रहे थे, उसमें आँखें ही बहुत कुछ कह देती हैं, मुँह खोलने की ज़रूरत नहीं पड़ती।

हरिहर काका की पंद्रह बीघे ज़मीन उनके लिए जी का जंजाल बन गई। कथन के आलोक में अपने विचार व्यक्त कीजिए।

(ख) लेखक गुरदयाल सिंह अपने छात्र जीवन में छुट्टियों के काम को पूरा करने के लिए योजनाएँ तैयार करते थे। क्या आप की योजनाएँ लेखक की योजनाओं से मेल खाती हैं? उदाहरण देकर स्पष्ट कीजिए।

(ग) वह तो जब डॉक्टर साहब की ज़मानत ज़ब्त हो गई तब घर में ज़रा सन्नाटा हुआ और टोपी ने देखा कि इम्तहान सिर पर खड़ा है।

वह पढ़ाई में जुट गया। परंतु ऐसे वातावरण में क्या कोई पढ़ सकता था? इसलिए उसका पास ही हो जाना बहुत था।

"वाह!" दादी बोलीं, "भगवान नज़रे-बद से बचाए। रफ़्तार अच्छी है। तीसरे बरस तीसरे दर्जे में पास तो हो गए।...."

टोपी जहीन होने के बावजूद कक्षा में दो बार फेल हो गया। जीवन में प्रतिकूल परिस्थितियों से हार मान लेना कहाँ तक उचित है? टोपी जैसे बच्चों के विषय में आपकी क्या राय है?

खंड - ख (लेखन)

प्रश्न 4 निम्नलिखित में से किसी एक विषय पर संकेत बिंदुओं के आधार पर लगभग 150 शब्दों में अनुच्छेद लिखिए - (6 अंक)

(क) आभासी शिक्षण अधिगम प्रक्रिया

- आरंभ कब और कैसे
- लाभ - हानि, सावधानियाँ
- स्थिति से सामंजस्य

(ख) क्यों आवश्यक है सहनशीलता

- सहनशीलता का अर्थ
- इसकी आवश्यकता
- नैतिक मूल्य एवं सुखद जीवन

(ग) मेरे सपनों का भारत

- कैसा है?
- क्या अपेक्षा है
- आपका कर्तव्य

प्रश्न 5 निम्नलिखित आप शौर्य /शारवी हैं। आपने अपने लिए ऑनलाइन पुस्तकें खरीदीं थीं। रुपये जमा हो गए परंतु पुस्तकें प्राप्त नहीं हो सकीं। इस बात की शिकायत करते हुए संबंधित अधिकारी को लगभग 120 शब्दों में पत्र लिखिए। (5 अंक)

अथवा

आप सृष्टि/ सार्थक हैं। बंगलुरु से चेन्नई शताब्दी एक्सप्रेस में यात्रा करते समय आपका कीमती सामान वाला बैग जल्दबाजी में गाड़ी में ही रह गया। आपके द्वारा की गई शिकायत से आपको अपना बैग वापस मिल गया। प्रबंधन की प्रशंसा करते हुए किसी समाचार पत्र के संपादक को लगभग 120 शब्दों में पत्र लिखिए।

प्रश्न 6 (क) आप निवासी कल्याण संघ (रेजिडेंट्स वेलफेयर एसोसिएशन) के अध्यक्ष रमेश सुब्रमण्यम हैं। अपने क्षेत्र के मुख्य पार्क में आयोजित होने वाले योग- शिविर के विषय में जानकारी देते हुए लगभग 50 शब्दों में एक सूचना तैयार कीजिए। (2.5 अंक)

आप साहित्य संघ की सचिव सुपोरना चक्रवर्ती हैं। आपके क. ख. ग. विद्यालय में वाद-विवाद प्रतियोगिता आयोजित होने वाली है। इसके लिए एक सूचना लगभग 50 शब्दों में तैयार कीजिए।

(ख) आप कक्षा दसवीं के लियोनार्डो बर्नडैट हैं। विद्यालय के बॉस्केटबॉल मैदान में आपको एक घड़ी मिली है। इससे संबंधित सूचना विद्यालय के सूचनापट्ट के लिए तैयार कीजिए। जिससे घड़ी खोने वाला छात्र उसे प्राप्त कर सके। यह सूचना लगभग 50 शब्दों में तैयार कीजिए। (2.5 अंक)

अथवा

आप अपने विद्यालय में इको क्लब के अध्यक्ष हैं। पर्यावरण दिवस के लिए आप विभिन्न कार्यक्रमों का आयोजन करना चाहते हैं। इको क्लब के सभी सदस्यों की सभा इसी संदर्भ में आयोजित करने के लिए विद्यालय के सूचनापट्ट के लिए एक सूचना-पत्र लगभग 50 शब्दों में तैयार कीजिए।

प्रश्न 7 (क) स्वच्छता के प्रति जागरूकता फैलाने के लिए सरकार की ओर से एक विज्ञापन लगभग 50 शब्दों में तैयार कीजिए। (2.5 अंक)

अथवा

आपके विद्यालय में एक कवि सम्मेलन का आयोजन किया गया है जिसमें हास्य कवि सुरेंद्र शर्मा जी विशेष अतिथि के रूप में आमंत्रित हैं। इसका प्रचार-प्रसार करने के लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए।

(ख) आपके क्षेत्र में निवासी कल्याण संघ (रेजिडेंट वेलफेयर एसोसिएशन) द्वारा एक पुस्तकालय तैयार किया गया है जिसमें प्रत्येक आयु वर्ग के लिए पुस्तकें उपलब्ध हैं। इसके प्रचार-प्रसार के लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए। (2.5 अंक)

अथवा

आपकी कक्षा को विद्यालय के मेले के लिए हस्तनिर्मित सामग्री और चित्रों की प्रदर्शनी लगानी है। अपनी प्रदर्शनी के लिए लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।

प्रश्न 8 निम्नलिखित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में लघुकथा लिखिए। (5 अंक)

परोपकार का परिणाम

अथवा

अपूर्व संतोष

Sample Question Paper (TERM – I) 2021-22

Class X
Science (086)

Time: 90 Minutes

General Instructions:

1. The Question Paper contains three sections.
2. Section A has 24 questions. Attempt any 20 questions.
3. Section B has 24 questions. Attempt any 20 questions.
4. Section C has 12 questions. Attempt any 10 questions.
5. All questions carry equal marks.
6. There is no negative marking.

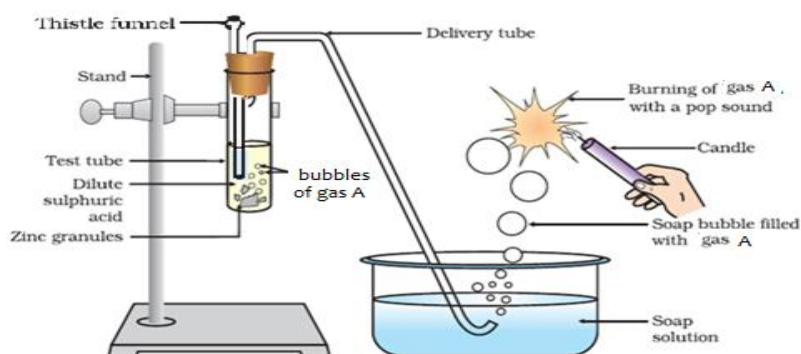
SECTION - A

Section – A consists of 24 questions. Attempt any 20 questions from this section.

The first attempted 20 questions would be evaluated.

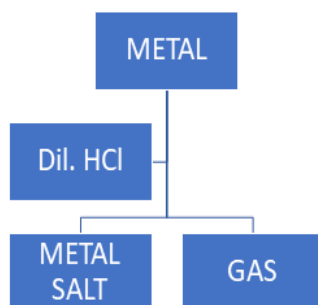
1. Reema took 5ml of Lead Nitrate solution in a beaker and added approximately 4ml of Potassium Iodide solution to it. What would she observe?
 A. The solution turned red.
 B. Yellow precipitate was formed.
 C. White precipitate was formed.
 D. The reaction mixture became hot.

2. Identify gas A in the following experiment.



- A. Nitrogen
- B. Hydrogen
- C. Oxygen
- D. Carbon dioxide

3.



Which of the following two combinations are correct?

	Metal	Gas Evolved
(i)	Copper	Yes
(ii)	Iron	Yes
(iii)	Magnesium	No
(iv)	Zinc	Yes

- A. i and iii
- B. i and iv
- C. ii and iii
- D. ii and iv

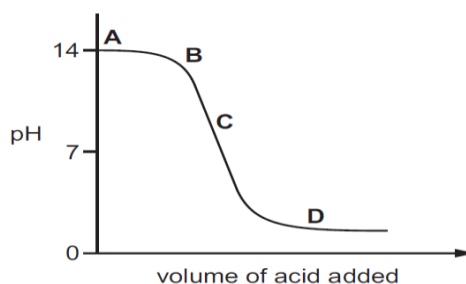
4.

Which of the following correctly represents a balanced chemical equation?

- A. $\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + 4\text{H}_2\text{(g)}$
- B. $3\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + 4\text{H}_2\text{(g)}$
- C. $3\text{Fe(s)} + \text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + \text{H}_2\text{(g)}$
- D. $3\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + \text{H}_2\text{(g)}$

5.

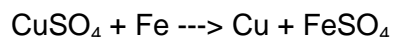
The graph given below depicts a neutralization reaction (acid + alkali \rightarrow salt + water). The pH of a solution changes as we add excess of acid to an alkali.



Which letter denotes the area of the graph where both acid and salt are present?

- A. A
- B. B
- C. C
- D. D

6. In the reaction of iron with copper sulphate solution:



Which option in the given table correctly represents the *substance oxidised* and the *reducing agent*?

OPTION	Substance Oxidized	Reducing Agent
A	Fe	Fe
B	Fe	FeSO ₄
C	Cu	Fe
D	CuSO ₄	Fe

7. The chemical reaction between copper and oxygen can be categorized as:

- A. Displacement reaction
- B. Decomposition reaction
- C. Combination reaction
- D. Double displacement reaction

8. Which of the given options correctly represents the *Parent acid* and *base* of Calcium Carbonate?

OPTION	PARENT ACID	PARENT BASE
A	HCl	NaOH
B	H ₂ CO ₃	Ca(OH) ₂
C	H ₃ PO ₃	CaSO ₄
D	H ₂ SO ₄	CaSO ₄

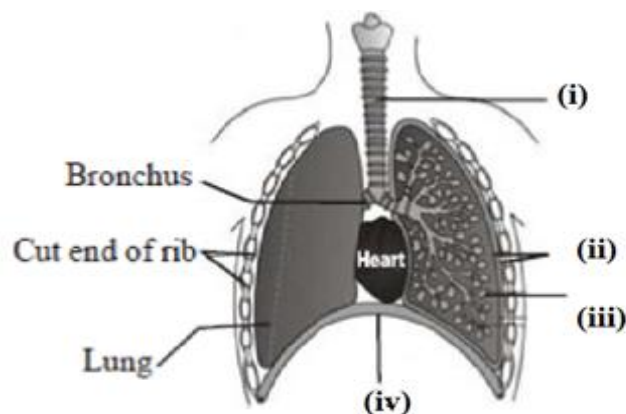
9. How will you protect yourself from the heat generated while diluting a concentrated acid?

- A. By adding acid to water with constant stirring.
- B. By adding water to acid with constant stirring.
- C. By adding water to acid followed by base.
- D. By adding base to acid with constant stirring.

10. Why is it important to balance a skeletal chemical equation?

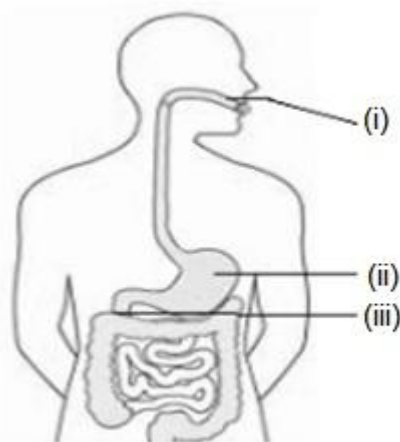
- A. To verify law of conservation of energy.
- B. To verify the law of constant proportion.
- C. To verify the law of conservation of mass.
- D. To verify the law of conservation of momentum.

11. Carefully study the diagram of the human respiratory system with labels A, B, C and D. Select the option which gives correct identification and main function and /or characteristic.

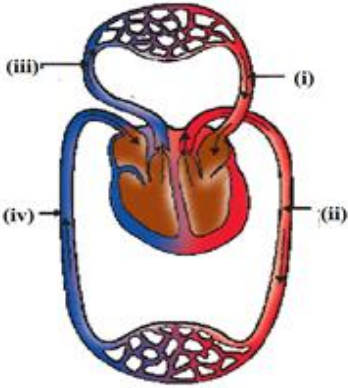
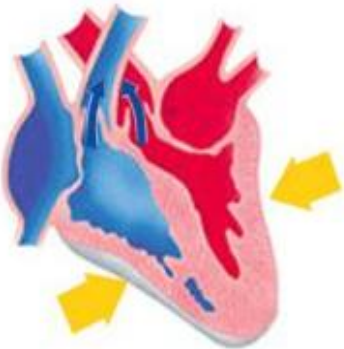


- A. (i) Trachea: It is supported by bony rings for conducting inspired air.
 B. (ii) Ribs: When we breathe out, ribs are lifted.
 C. (iii) Alveoli: Thin-walled sac like structures for exchange of gases.
 D. (iv) Diaphragm: It is pulled up when we breathe in.

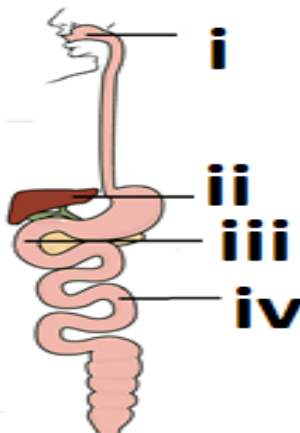
12. Identify the option that indicates the correct enzyme that is secreted in location A, B and C.



- A. (i)-lipase, (ii)-trypsin, (iii)-pepsin
 B. (i)-amylase, (ii)-pepsin, (iii)-trypsin
 C. (i)-trypsin, (ii)-amylase, (iii)-carboxylase
 D. (i)-permease, (ii)-carboxylase, (iii)-oxidase

13.	<p>Opening and closing of stomatal pore depends on:</p> <ul style="list-style-type: none"> A. Atmospheric temperature B. oxygen concentration around stomata C. carbon dioxide concentration around stomata D. water content in the guard cells
14.	<p>The figure given below shows a schematic plan of blood circulation in humans with labels (i) to (iv). Identify the correct label with its functions?</p>  <ul style="list-style-type: none"> A. (i) Pulmonary vein - takes impure blood from body part. B. (ii) Pulmonary artery - takes blood from lung to heart. C. (iii) Aorta - takes blood from heart to body parts. D. (iv) Vena cava takes - blood from body parts to right auricle.
15.	<p>Identify the phase of circulation which is represented in the diagram of heart given below. Arrows indicate contraction of the chambers shown.</p>  <ul style="list-style-type: none"> A. Blood transferred to the right ventricle and left ventricle simultaneously. B. Blood is transferred to lungs for oxygenation and is pumped into various organs simultaneously. C. Blood transferred to the right auricle and left auricle simultaneously. D. Blood is received from lungs after oxygenation and is received from various organs of the body.

16. Observe the diagram of Human digestive system.



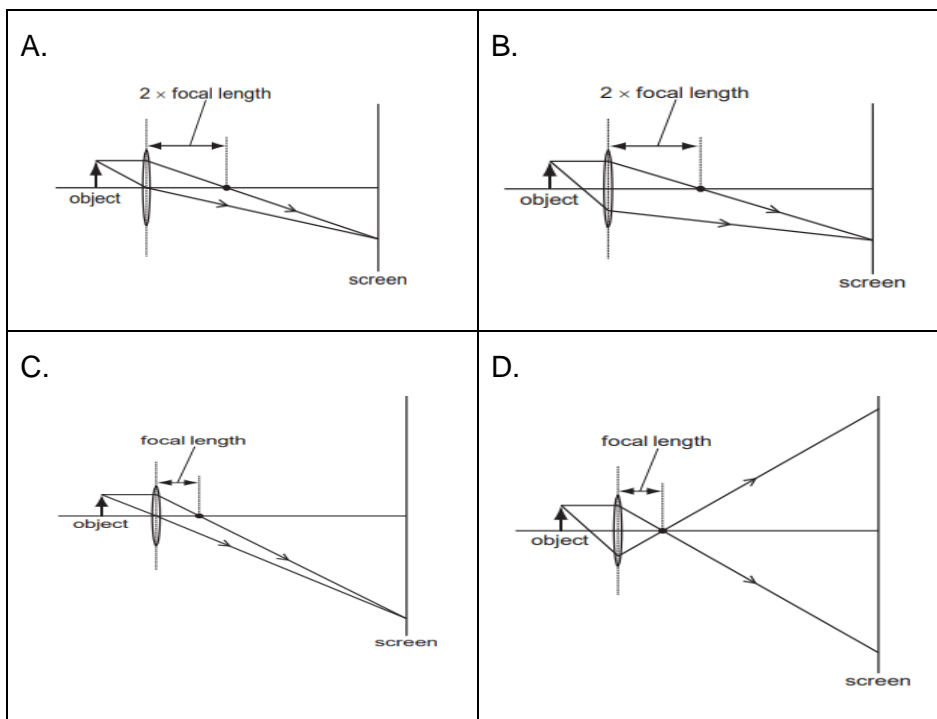
Match the labeling referred in column I and correlate with the function in column II.

Column I	Column II
i	a. The length of this depends on food the organism eats.
ii	b. Initial phase of starch digestion
iii	c. Increases the efficiency of lipase enzyme action
iv	d. This is the site of the complete digestion of carbohydrates, proteins and fats.

- A. i.- a) ; ii – b) ; iii – c) ; iv- d)
 B. i.- b) ; ii – c) ; iii – d) ; iv- a)
 C. i.- b) ; ii – d) ; iii – c) ; iv- a)
 D. i.- d) ; ii – a) ; iii – b) ; iv- c)

17. Which of the following mirror is used by a dentist to examine a small cavity in a patient's teeth?
- A. Convex mirror
 B. Plane mirror
 C. Concave mirror
 D. Any spherical mirror

18. Which diagram shows image formation of an object on a screen by a converging lens?



19. Which of the following can make a parallel beam of light when light from a point source is incident on it?

- A. Concave mirror as well as convex lens.
- B. Convex mirror as well as concave lens.
- C. Two plane mirrors placed at 90° to each others.
- D. Concave mirror as well as concave lens.

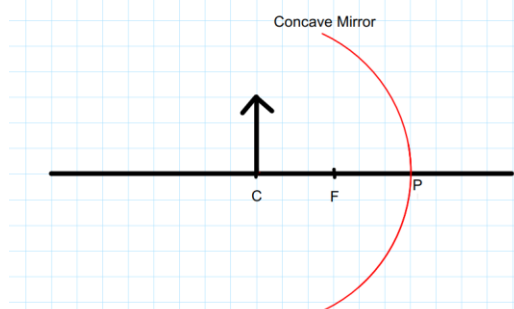
20. Consider these indices of refraction: glass: 1.52; air: 1.0003; water: 1.333. Based on the refractive indices of three materials, arrange the speed of light through them in decreasing order.

- A. The speed of light in water > the speed of light in air > the speed of light in glass.
- B. The speed of light in glass > the speed of light in water > the speed of light in air.
- C. The speed of light in air > the speed of light in water > the speed of light in glass.
- D. The speed of light in glass > the speed of light in air > the speed of light in water.

21. If a beam of red light and a beam of violet light are incident at the same angle on the inclined surface of a prism from air medium and produce angles of refraction r and v respectively, which of the following is correct?

- A. $r = v$
- B. $r > v$
- C. $r = 1/v$
- D. $r < v$

22.

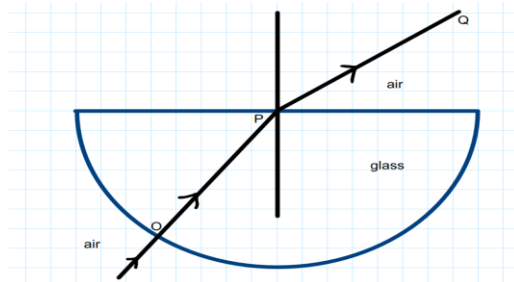


Examine the above figure and state which of the following option is correct?

[one small box in the figure is equal to 1 cm]

- A. The mirror has a focal length of -6 cm and will produce an image of magnification +1.
- B. The mirror has a focal length of -3 cm and will produce an image of magnification -1.
- C. The mirror has a focal length of -3 cm and will produce an image of magnification +1.
- D. The mirror has a focal length of -6 cm and will produce an image of magnification -1.

23.

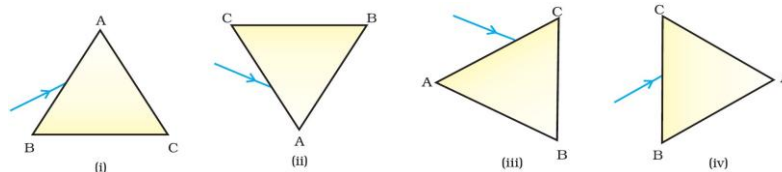


The angle of incidence from air to glass at the point O on the hemispherical glass slab is.

- A. 45°
- B. 0°
- C. 90°
- D. 180°

24.

A prism ABC (with BC as base) is placed in different orientations. A narrow beam of white light is incident on the prism as shown in below Figure. In which of the following diagrams, after dispersion, the third colour from the top of the spectrum corresponds to the colour of the sky?

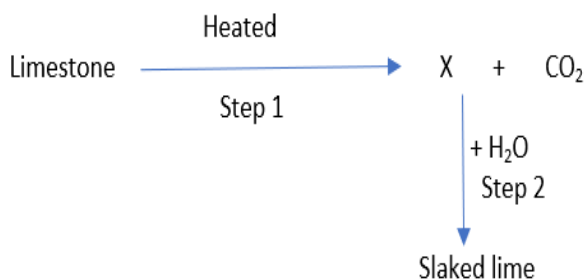


- A. (i)
- B. (ii)
- C. (iii)
- D. (iv)

SECTION - B

Section - B consists of 24 questions (Sl. No.25 to 48). Attempt any 20 questions from this section.
The first attempted 20 questions would be evaluated.

25.

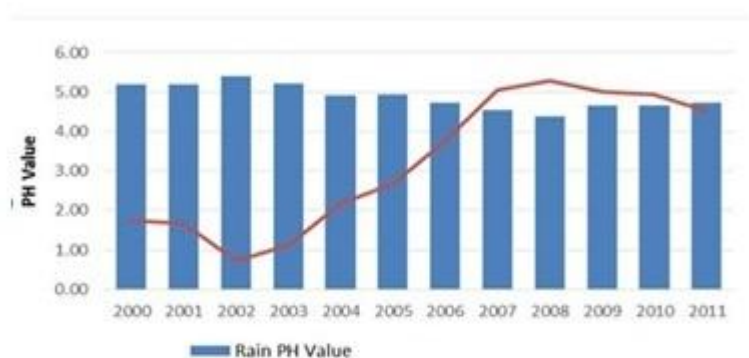


Identify the correct option from the given table which represents the type of reactions occurring in step 1 and step 2.

	endothermic	exothermic
A	×	✓
B	✓	×
C	✓	✓
D	×	×

26.

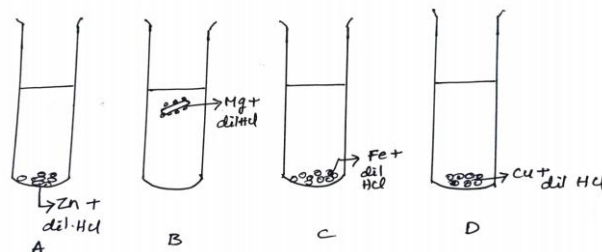
In which year is concentration of hydrogen ion the highest?



- A. 2002
- B. 2008
- C. 2011
- D. 2005

27.

The diagram shows the reaction between metal and dil. acid.



What is the reason for different behaviour of Mg in test tube B?

- A. Mg is lighter element than dil. HCl
- B. Mg reacts with dil. HCl to produce H_2 gas which helps in floating
- C. Mg reacts with dil. HCl to produce N_2 gas which helps in floating
- D. Mg reacts with dil. HCl to produce CO_2 gas which helps in floating

28.

The table shown below gives information about four substances: A, B, C and D.

SUBSTANCE	MELTING POINT (K)	ELECTRICAL CONDUCTIVITY	
		SOLID	LIQUID/ AQUEOUS
A	295	Good	Good
B	1210	Poor	Good
C	1890	Poor	Good
D	1160	Poor	Poor

Identify Ionic compounds from the above given substances.

- A. A, B
- B. B, C
- C. A, B, D
- D. A, C, D

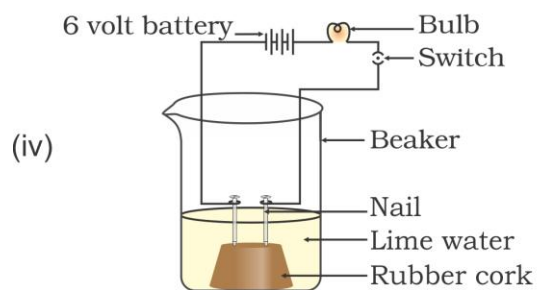
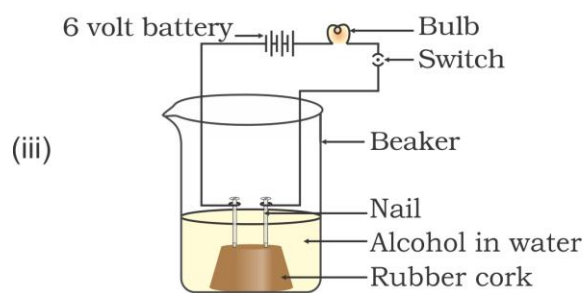
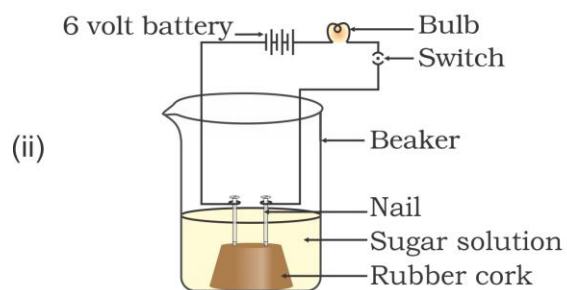
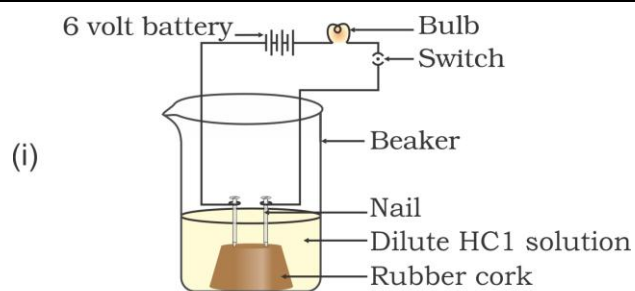
29.

Vinay observed that the stain of curry on a white shirt becomes reddish-brown when soap is scrubbed on it, but it turns yellow again when the shirt is washed with plenty of water. What might be the reason for his observation?

- i. Soap is acidic in nature
 - ii. Soap is basic in nature
 - iii. Turmeric is a natural indicator which gives reddish tinge in bases
 - iv. Turmeric is a natural indicator which gives reddish tinge in acids
- A. i and ii
 - B. ii and iii
 - C. i and iv
 - D. ii and iv

30.

In which of the following setups would the bulb glow?



- A. i and ii
- B. i and iv
- C. ii, iii and iv
- D. i, ii and iv

Question No. 31 to 35 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

- A. Both A and R are true and R is the correct explanation of A
- B. Both A and R are true and R is not the correct explanation of A
- C. A is true but R is false
- D. A is False but R is true

31. **Assertion:** Fresh milk in which baking soda is added, takes a longer time to set as curd.
Reason: Baking soda decreases the pH value of fresh milk to below 6.

32. **Assertion:** Decomposition of vegetable matter into compost is an endothermic reaction.
Reason: Decomposition reaction involves breakdown of a single reactant into simpler products.

33. **Assertion:** Resins and gums are stored in old xylem tissue in plants.
Reason: Resins and gums facilitate transport of water molecules.

34. **Assertion:** Sky appears blue in the day time.
Reason: White light is composed of seven colours.

35. The table given below shows the reaction of a few elements with acids and bases to evolve Hydrogen gas.

Element	Acid	Base
A	×	×
B	✓	✓
C	✓	×
D	✓	✓

Which of these elements form amphoteric oxides?

- A. A and D
- B. B and D
- C. A and C
- D. B and D

36. In which of the following groups of organisms, blood flows through the heart only once during one cycle of passage through the body?

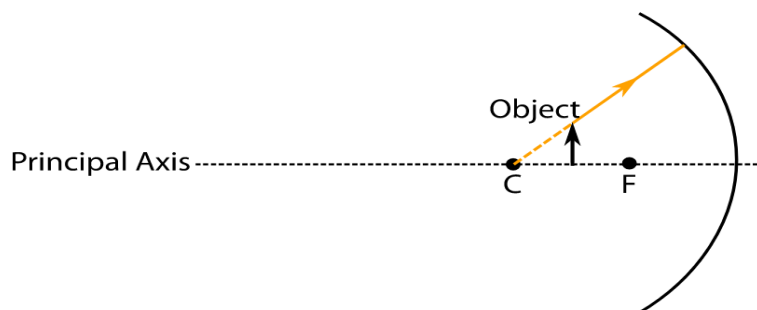
- A. Rabbit, Parrot, Turtle
- B. Frog, crocodile, Pigeon
- C. Whale, Labeo, Penguin
- D. Shark, dog fish, sting ray

37.	<p>What is common between extensive network of blood vessels around walls of alveoli and in glomerulus of nephron?</p> <p>A. Thick walled arteries richly supplied with blood B. Thin walled veins poorly supplied with blood C. Thick walled capillaries poorly supplied with blood. D. Thin walled capillaries richly supplied with blood</p>
38.	<p>Plants use completely different process for excretion as compared to animals. Which one of the following processes is NOT followed by plants for excretion?</p> <p>A. They can get rid of excess water by transpiration. B. They selectively filter toxic substances through their leaves. C. Waste products are stored as resins and gums in old xylem. D. They excrete waste substances into the soil around them.</p>
39.	<p>If the power of a lens is - 4.0 D, then it means that the lens is a</p> <p>A. concave lens of focal length -50 m B. convex lens of focal length +50 cm C. concave lens of focal length -25 cm D. convex lens of focal length -25 m</p>
40.	<p>Rays from Sun converge at a point 15 cm in front of a concave mirror. Where should an object be placed so that size of its image is equal to the size of the object?</p> <p>A. 30 cm in front of the mirror B. 15 cm in front of the mirror C. Between 15 cm and 30 cm in front of the mirror D. More than 30 cm in front of the mirror</p>
41.	<p>In which of the following groups of organisms, food material is broken down outside the body and then absorbed in?</p> <p>A. mushroom, green plants, amoeba B. yeast, mushroom, bread mould C. paramecium, amoeba, cuscuta D. cuscuta, lice, tapeworm</p>
42.	<p>In a person the tubule part of the nephron is not functioning at all. What will its effect be on urine formation?</p> <p>A. The urine will not be formed. B. Quality and quantity of urine is unaffected. C. Urine is more concentrated. D. Urine is more diluted.</p>
43.	<p>If the real image of a candle flame formed by a lens is three times the size of the flame and the distance between lens and image is 80 cm, at what distance should the candle</p>

be placed from the lens?

- A. -80cm
- B. -40 cm
- C. $-40/3$ cm
- D. $-80/3$ cm

44.



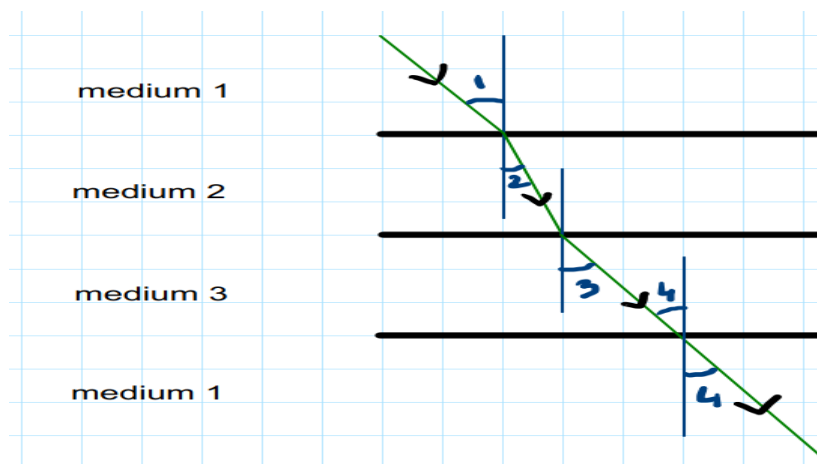
While looking at the above diagram, Nalini concluded the following-

- i. the image of the object will be a virtual one.
- ii. the reflected ray will travel along the same path as the incident ray but in opposite direction.
- iii. the image of the object will be inverted.
- iv. this is a concave mirror and hence the focal length will be negative.

Which one of the above statements are **correct**?

- A. i and ii
- B. i and iii
- C. ii, iii and iv
- D. i, ii, iii and iv

45.



In the above diagram light is travelling through different media. It is noted by a scientist that $\angle 1 = \angle 3 = \angle 4$ but $\angle 2 < \angle 1$. Which of the following statement would be correct?

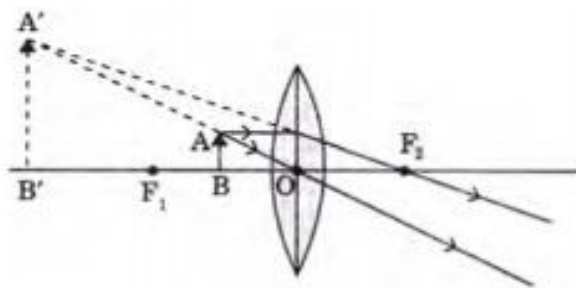
- A. Medium 1 is the denser than medium 3 but it's density is equal to medium 2.
- B. Medium 2 is the rarest medium.
- C. Medium 3 is denser than medium 1.
- D. Medium 1 and 3 are essentially the same medium, but medium 2 is denser than 1 and 3.

46.

The refractive index of flint glass is 1.65 and that for alcohol is 1.36 with respect to air. What is the refractive index of the flint glass with respect to alcohol ?

- A. 0.82
- B. 1.21
- C. 1.11
- D. 1.01

47.



The above lens has a focal length of 10 cm. The object of height 2 mm is placed at a distance of 5 cm from the pole. Find the height of the image.

- A. 4 cm
- B. 6.67 mm
- C. 4 mm
- D. 3.33 mm

48.

A cable manufacturing unit tested few elements on the basis of their physical properties.

Properties	W	X	Y	Z
Malleable	Yes	No	No	Yes
Ductile	Yes	No	No	Yes
Electrical conductivity	Yes	Yes	Yes	No
Melting Point	High	Low	Low	High

Which of the above elements were discarded for usage by the company?

- A. W, X, Y
- B. X, Y, Z
- C. W, X, Z
- D. W, X, Z

SECTION – C

Section- C consists of three Cases followed by questions. There are a total of 12 questions in this section. Attempt any 10 questions from this section.

The first attempted 10 questions would be evaluated.

Case The Salt Story

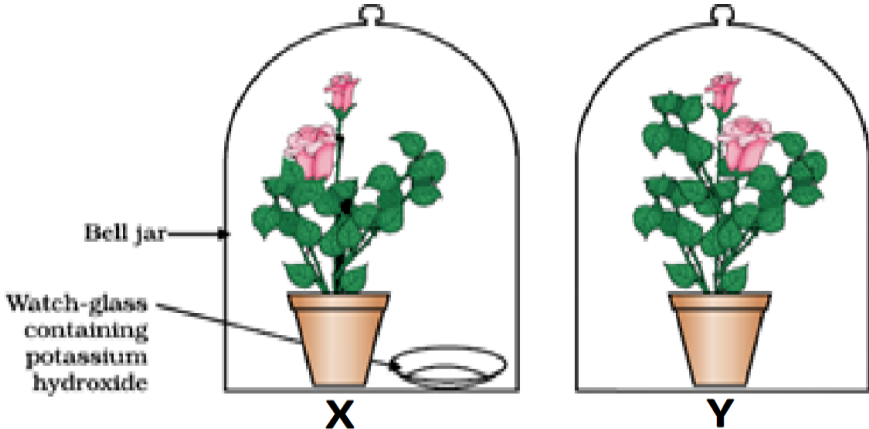
From: The New Indian Express 9 March 2021

The salt pans in Marakkanam, a port town about 120 km from Chennai are the third largest producer of salt in Tamil Nadu. Separation of salt from water is a laborious process and the salt obtained is used as raw materials for manufacture of various sodium compounds.

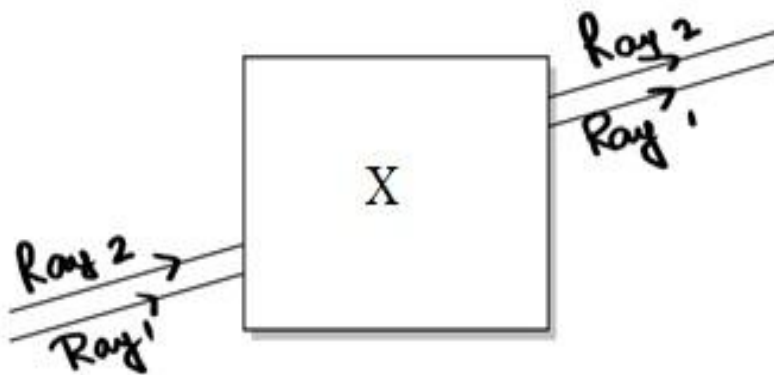
One such compound is Sodium hydrogen carbonate, used in baking, as an antacid and in soda acid fire extinguishers.

The table shows the mass of various compounds obtained when 1 litre of sea water is evaporated

COMPOUND	FORMULA	MASS OF SOLID PRESENT /g
Sodium Chloride	NaCl	28.0
Magnesium Chloride	MgCl ₂	8.0
Magnesium Sulphate	MgSO ₄	6.0
Calcium Sulphate	CaSO ₄	2.0
Calcium Carbonate	CaCO ₃	1.0
TOTAL AMOUNT OF SALT OBTAINED		45.0

49.	Which compound in the table reacts with acids to release carbon dioxide? A. NaCl B. CaSO_4 C. CaCO_3 D. MgSO_4
50.	How many grams of Magnesium Sulphate are present in 135g of solid left by evaporation of sea water? A. 6g B. 12g C. 18g D. 24g
51.	What is the saturated solution of Sodium Chloride called? A. Brine B. Lime water C. Slaked lime D. Soda water
52.	What is the pH of the acid which is used in the formation of common salt? A. Between 1 to 3 B. Between 6 to 8 C. Between 8 to 10 D. Between 11 to 13
Case	<p>The Figure shown below represents an activity to prove the requirements for photosynthesis. During this activity, two healthy potted plants were kept in the dark for 72 hours. After 72 hours, KOH is kept in the watch glass in setup X and not in setup Y. Both these setups are air tight and have been kept in light for 6 hours. Then, Iodine Test is performed with one leaf from each of the two plants X and Y.</p>  <p style="text-align: center;">X Y</p>

53.	<p>This experimental set up is used to prove essentiality of which of the following requirements of photosynthesis?</p> <p>A. Chlorophyll B. Oxygen C. Carbon dioxide D. Sunlight</p>
54.	<p>The function of KOH is to absorb</p> <p>A. Oxygen. B. Carbon dioxide. C. Moisture. D. Sunlight.</p>
55.	<p>Which of the following statements shows the correct results of Iodine Test performed on the leaf from plant X and Y respectively?</p> <p>A. Blue - black colour would be obtained on the leaf of plant X and no change in colour on leaf of plant Y. B. Blue - black colour would be obtained on the leaf of plant Y and no change in colour on leaf of plant X. C. Red colour would be obtained on the leaf of plant X and brown colour on the leaf of plant Y. D. Red colour would be obtained on the leaf of plant Y and brown colour on the leaf of plant X.</p>
56.	<p>Which of the following steps can be followed for making the apparatus air tight?</p> <p>i. placing the plants on glass plate ii. using a suction pump. iii. applyingaseline to seal the bottom of jar. iv. creating vacuum</p> <p>A. i and ii B. ii. and iii C. i. and iii D. ii. and iv</p>
Case	<p>Noor, a young student, was trying to demonstrate some properties of light in her Science project work. She kept 'X' inside the box (as shown in the figure) and with the help of a laser pointer made light rays pass through the holes on one side of the box. She had a small butter-paper screen to see the spots of light being cast as they emerged.</p>



57. What could be the 'X' that she placed inside the box to make the rays behave as shown?
- a converging lens
 - a parallel-sided glass block
 - a plane mirror
 - a triangular prism
58. She measured the angles of incidence for both the rays on the left side of the box to be 48.6° . She knew the refractive index of the material 'X' inside the box was 1.5. What will be the approximate value of angle of refraction?
- 45°
 - 40°
 - 30°
 - 60°
- (use the value: $\sin 48.6^\circ \approx 0.75$)
59. Her friend noted the following observations from this demonstration:
- Glass is optically rarer than air.
 - Air and glass allow light to pass through them with the same velocity.
 - Air is optically rarer than glass.
 - Speed of light through a denser medium is faster than that of a rarer medium.
 - The ratio: \sin of angle of incidence in the first medium to the ratio of \sin of angle of refraction in the second medium, gives the refractive index of the second material with respect to the first one.
- Which one of the combination of the above statements given below is correct.
- ii, iv and v are correct.
 - iii and iv are correct.
 - i, iv and v are correct.
 - iii and v are correct.

60	<p>If the object inside the box was made of a material with a refractive index less than 1.5 then the</p> <p>A. lateral shift of the rays would have been less. B. lateral shift of the rays would have been more. C. lateral shift of the rays would remain the same as before. D. there is not enough information to comment on any of the above statements</p>
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Questions in lieu of diagram based questions for VI candidates

Total Alternative Questions – 26

Section – A

2.	<p>A gas is evolved when Dil. Sulphuric Acid reacts with Zinc granules. It gives a pop sound when lit match stick is introduced near it. Identify the gas?</p> <p>A. Nitrogen B. Hydrogen C. Oxygen D. Carbon dioxide</p>
3.	<p><i>Metal X</i> reacts with <i>Dil. HCl</i> to form <i>Metal Salt</i> and <i>Gas</i>. Identify <i>X</i>?</p> <p>A. Copper B. Mercury C. Silver D. Zinc</p>
5.	<p>In the neutralization reaction when excess of acid is added to an alkali, salt and water are produced. What is the nature of the solution after the reaction occurs?</p> <p>A. Amphoteric B. Acidic C. Basic D. Neutral</p>
11	<p>Select the option which gives correct function and /or characteristic: of the four parts of human respiratory system.</p> <p>A. Alveoli: Thin-walled sac like structures for exchange of gases. B. Diaphragm: It is pulled up when we breathe in. C. Trachea: It is supported by bony rings for conducting inspired air. D. Ribs: When we breathe out, ribs are lifted.</p>

12	<p>Identify the option that indicates the correct enzyme that is secreted in location L, M and N. L, M and N represent Mouth cavity, stomach and small intestine of the human being.</p> <table><tr><td></td><td>L</td><td>M</td><td>N</td></tr><tr><td>A</td><td>lipase</td><td>trypsin</td><td>pepsin</td></tr><tr><td>B</td><td>amylase</td><td>pepsin</td><td>trypsin</td></tr><tr><td>C</td><td>trypsin</td><td>amylase</td><td>lipase</td></tr><tr><td>D</td><td>lipase</td><td>amylase</td><td>pepsin</td></tr></table>		L	M	N	A	lipase	trypsin	pepsin	B	amylase	pepsin	trypsin	C	trypsin	amylase	lipase	D	lipase	amylase	pepsin
	L	M	N																		
A	lipase	trypsin	pepsin																		
B	amylase	pepsin	trypsin																		
C	trypsin	amylase	lipase																		
D	lipase	amylase	pepsin																		
14	<p>Given below are the functions of some parts of human circulatory system. Identify the correct match.</p> <p>A. Pulmonary vein – takes oxygenated blood from body parts to heart</p> <p>B. Artery – takes oxygenated blood from heart to lung</p> <p>C. Dorsal aorta – takes deoxygenated blood from heart to body parts</p> <p>D. Vena cava – takes deoxygenated blood from body parts to right atrium</p>																				
15	<p>What happens when right and left ventricle contract during pumping of blood by human heart?</p> <p>A. Blood transferred to the right ventricle and left ventricle simultaneously.</p> <p>B. Blood is transferred to lungs for oxygenation and is pumped into various organs simultaneously.</p> <p>C. Blood transferred to the right atrium and left atrium simultaneously.</p> <p>D. Blood is received from lungs after oxygenation and is received from various organs of the body.</p>																				
16	<p>i, ii, iii and iv represent mouth cavity, liver, first part of small intestine and complete small intestine respectively of Human digestive system.</p> <p>Match the labeling referred in column I and correlate with the function in column II.</p> <table><tr><th>Column I</th><th>Column II</th></tr><tr><td>i</td><td>a. The length of this depends of food the organism eats.</td></tr><tr><td>ii</td><td>b. Initial phase of starch digestion.</td></tr><tr><td>iii</td><td>c. Increase the efficiency of lipase enzyme action.</td></tr><tr><td>iv</td><td>d. This is the site of the complete digestion of carbohydrates, proteins and fats.</td></tr></table> <p>A. i.- c ; ii – d ; iii – a ; iv- d</p> <p>B. i.- b ; ii – c ; iii – d ; iv- a</p> <p>C. i.- a ; ii – c ; iii – d ; iv- c</p> <p>D. i.- d ; ii – a ; iii – b ; iv- c</p>	Column I	Column II	i	a. The length of this depends of food the organism eats.	ii	b. Initial phase of starch digestion.	iii	c. Increase the efficiency of lipase enzyme action.	iv	d. This is the site of the complete digestion of carbohydrates, proteins and fats.										
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18	<p>If a virtual, erect and enlarged image is formed by a lens, then which of the following options are correct?</p> <p>A. It is a concave lens and the object is placed between pole and focus.</p> <p>B. It is a convex lens and the object is placed between focus and centre of curvature.</p> <p>C. It is a convex lens and the object is placed between pole and focus.</p> <p>D. It is a concave lens and the object is placed between focus and centre of curvature.</p>																				

22	<p>Consider the situation where:</p> <ul style="list-style-type: none"> • An object is 3 cm (height) • Mirror is concave with 6 cm focal length. • Object is placed at the centre of curvature. <p>Which of the following options are correct?</p> <p>A. The mirror will produce an image of magnification +1.5.</p> <p>B. The mirror will produce an image of magnification -1.</p> <p>C. The mirror will produce an image of magnification +1.</p> <p>D. The mirror will produce an image of magnification -1.5.</p>
23	<p>If a ray passes from air to glass in a spherical glass slab and passes through the centre of the slab without deviation, then the angle of incidence from air to glass at the point on the glass slab is.</p> <p>A. 45°</p> <p>B. 0°</p> <p>C. 90°</p> <p>D. 180°</p>
24	<p>Out of all colours making the white light, which one will deviate the most while it passes through a prism?</p> <p>A. Red.</p> <p>B. Violet.</p> <p>C. Blue.</p> <p>D. Green.</p>
Section - B	
26.	<p><i>Even though rain water is the purest form of water, it acts as an electrolyte. However, distilled water cannot be an electrolyte.</i></p> <p>The reason for this is</p> <p>A. rain water consists of dissolved oxygen</p> <p>B. rain water consists of dissolved oxides of sulphur</p> <p>C. rain water consists of dissolved Nitrogen</p> <p>D. rain water consists of dissolved oxides of Hydrogen</p>
27.	<p>The reason for different behaviour (floating) of Mg in dil HCl is due to:</p> <p>A. Mg is lighter element than dil. HCl</p> <p>B. Mg reacts with dil. HCl to produce H_2 gas which helps in floating</p> <p>C. Mg reacts with dil. HCl to produce N_2 gas which helps in floating</p> <p>D. Mg reacts with dil. HCl to produce CO_2 gas which helps in floating</p>
30.	<p>Which of the following solutions are electrolytes?</p> <p>i. Dil. HCl</p> <p>ii. Sugar Solution</p> <p>iii. Alcohol in water</p> <p>iv. Lime water</p>

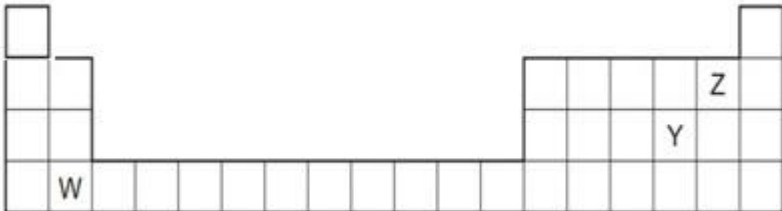
	<p>A. i and ii</p> <p>B. i and iv</p> <p>C. ii, iii and iv</p> <p>D. i, ii and iv</p>
44.	<p>NalinI draws a ray diagram for an object in front of a concave mirror. She draws a ray starting from the top of the object and falling on the mirror perpendicularly. The ray after reflection will</p> <p>A. pass through focus.</p> <p>B. pass through pole.</p> <p>C. pass through the centre of curvature.</p> <p>D. pass through any point on the principal axis.</p>
45.	<p>If the refractive index of water with respect to air is 1.33 and of that of glass with respect to air is 1.5 then</p> <p>A. water is optically denser than glass.</p> <p>B. air is optically densest of all the three media.</p> <p>C. air's optical density is between glass and air.</p> <p>D. glass is optically denser than water.</p>
47.	<p>A convex lens has a focal length of 10 cm. The object of height 2 mm is placed at a distance of 5 cm from the pole. Find the height of the image.</p> <p>A. 4 cm</p> <p>B. 6.67 mm</p> <p>C. 4 mm</p> <p>D. 3.33 mm</p>
Section - C	
Case	<p>A student was—performing an activity to prove the requirements for photosynthesis. During this activity, he kept two identical healthy potted plantsA and Bin dark for 72 hours. After 72 hours, he covered plant A and B by bell shaped jars separately. While covering the plants with separate bell jars, he kept KOH in the watch glass by the side of the plant in setup A and not in setup B. Both these setups were made air tight and were kept in light for 6 hours. Then, Iodine Test was performed with one leaf from each of the two plants A and B.</p>
53.	<p>This experimental set up is used to prove essentiality of which of the following requirements of photosynthesis?</p> <p>A. Chlorophyll</p> <p>B. Oxygen</p> <p>C. Carbon dioxide</p> <p>D. Sunlight</p>
54.	<p>The function of KOH is to absorb</p> <p>A. Oxygen.</p> <p>B. Carbon dioxide.</p> <p>C. Moisture.</p> <p>D. Sunlight.</p>

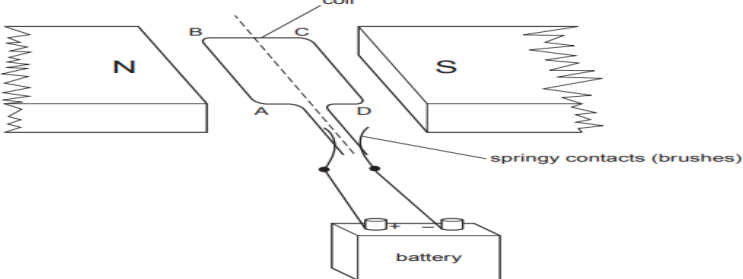
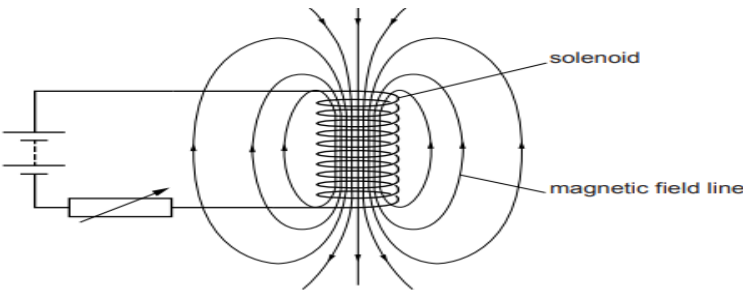
55.	<p>Which of the following statements shows the correct results of Iodine Test performed on the leaf from plant A and B respectively?</p> <p>A. Blue - black colour would be—obtained on the leaf of plant A B. Blue - black colour would be—obtained on the leaf of plant B C. Red colour would be obtained on the leaf of plant A D. Red colour would be obtained on the leaf of plant B</p>
56.	<p>Which of the following steps can be followed for making the apparatus air tight?</p> <p>i. placing the plants on glass plate ii. using a suction pump. iii. applying Vaseline to seal the bottom of jar. iv. creating vacuum</p> <p>A. i and ii B. ii. and iii C. i. and iii D. ii. And iv</p>
Case	<p>In an experiment, Pooja used a equilateral triangular glass prism and projected a narrow beam of white light source from one side of the surface of the prism. She placed a screen on the other side and saw many colours appearing as patches on the screen. But when she used a red light source, she could only see a red patch on the screen. Similarly she used a blue and green light source and could only see one colour patch on both occasions.</p>
57.	<p>The phenomenon that she was trying to demonstrate was:</p> <p>A. Dispersion B. Reflection C. Refraction D. Scattering.</p>
58.	<p>The reason why she could no see any other colour when the red light was used was because:</p> <p>A. Red colour does not refract in prism. B. Red colour is monochromatic. C. The prism was defective. D. The prism is opaque to red colour.</p>
59.	<p>Which of the following can be the correct explanation that Pooja can give to her friends to explain this phenomenon?</p> <p>A. Different lights travel faster in the glass prism at different rates. B. Any light would disperse in the prism. C. Enough data is not available to make a scientific explanation in this case. D. Different wavelengths travel at different speeds in the glass.</p>
60.	<p>She also could relate to another natural phenomenon that we observe on a rainy humid day as the sun comes out. What could be that phenomenon?</p> <p>A. Lightning. B. Blueness of the sky. C. Rainbow. D. Scattering of light.</p>

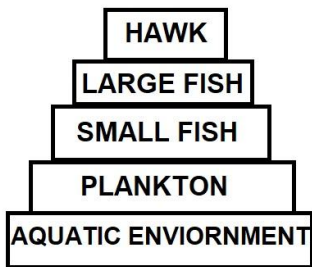
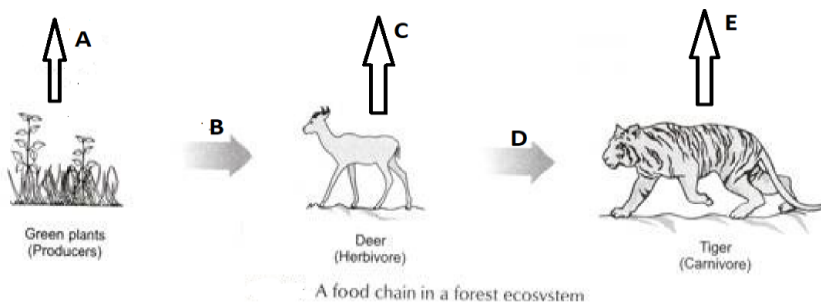
SAMPLE QUESTION PAPER**CLASS X****Science (086)****Term 2 (2021-22)****Max. Marks:40****Time allowed: 2 hours****General Instructions:**

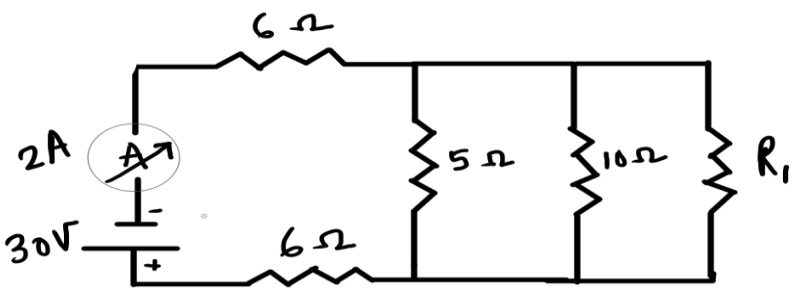
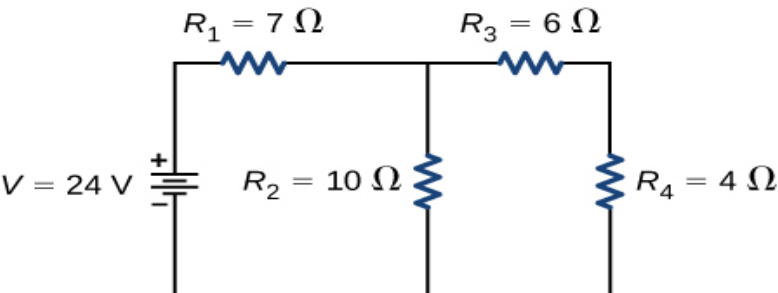
- All questions are compulsory.
- The question paper has **three sections** and **15 questions**. All questions are compulsory.
- Section–A has 7 questions of 2 marks each; Section–B has 6 questions of 3 marks each; and Section–C has 2 case based questions of 4 marks each.
- Internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.

SECTION - A

SECTION - A												
1	<p>The table shows the electronic structures of four elements.</p> <table><tr><th>Element</th><th>Electronic Structure</th></tr><tr><td>P</td><td>2,6</td></tr><tr><td>Q</td><td>2,8,1</td></tr><tr><td>R</td><td>2,8,7</td></tr><tr><td>S</td><td>2,8,8</td></tr></table> <p>a. Identify which element(s) will form covalent bonds with carbon.</p> <p>b. “Carbon reacts with an element in the above table to form several compounds.” Give suitable reason.</p>	Element	Electronic Structure	P	2,6	Q	2,8,1	R	2,8,7	S	2,8,8	2
Element	Electronic Structure											
P	2,6											
Q	2,8,1											
R	2,8,7											
S	2,8,8											
2	<p>The diagram below shows part of the periodic table.</p> <p>a. Which elements would react together to form covalent compounds?</p> <p>b. Between the two elements W and Z, which will have a bigger atomic radius? Why?</p> 	2										
3	<p>a. Trace the path a male gamete takes to fertilise a female gamete after being released from the penis.</p> <p>b. State the number of sets of chromosomes present in a zygote.</p>	2										

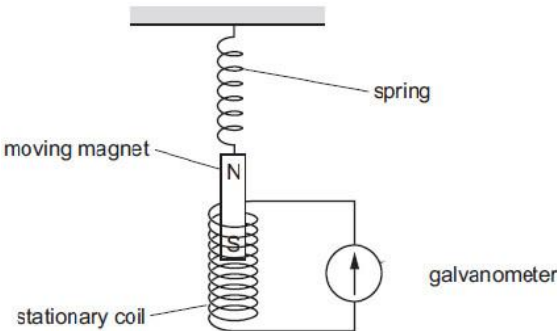
4	<p>Rajesh observed a patch of greenish black powdery mass on a stale piece of bread.</p> <p>a. Name the organism responsible for this and its specific mode of asexual reproduction.</p> <p>b. Name its vegetative and reproductive parts.</p>	2
5	<p>Mustard was growing in two fields- A and B. While Field A produced brown coloured seeds, field B produced yellow coloured seeds.</p> <p>It was observed that in field A, the offsprings showed only the parental trait for consecutive generations, whereas in field B, majority of the offsprings showed a variation in the progeny.</p> <p>What are the probable reasons for these?</p> <p>OR</p> <p>In an asexually reproducing species, if a trait X exists in 5% of a population and trait Y exists in 70% of the same population, which of the two trait is likely to have arisen earlier? Give reason.</p>	2
6	<p>A simple motor is made in a school laboratory. A coil of wire is mounted on an axle between the poles of a horseshoe magnet, as illustrated.</p>  <p>In the example above, coil ABCD is horizontal and the battery is connected as shown.</p> <p>a. For this position, state the direction of the force on the arm AB.</p> <p>b. Why does the current in the arm BC not contribute to the turning force on the coil?</p> <p>OR</p> <p>A circuit contains a battery, a variable resistor and a solenoid. The figure below shows the magnetic field pattern produced by the current in the solenoid.</p>  <p>a. State how the magnetic field pattern indicates regions where the magnetic field is stronger.</p>	2

	b. What happens to the magnetic field when the current in the circuit is reversed?	
7	<p>DDT was sprayed in a lake to regulate breeding of mosquitoes. How would it affect the trophic levels in the following food chain associated with a lake? Justify your answer.</p> <div style="text-align: center;">  </div> <p>OR</p> <p>In the following food chain, vertical arrows indicate the energy lost to the environment and horizontal arrows indicate energy transferred to the next trophic level. Which one of the three vertical arrows (A, C and E) and which one of the two horizontal arrows (B and D) will represent more energy transfer? Give reason for your answer.</p> <div style="text-align: center;">  <p>A food chain in a forest ecosystem</p> </div>	2
SECTION - B		
8	<p>Choose an element from period 3 of modern periodic table that matches the description given below in each instance. Give reason for your choice.</p> <ol style="list-style-type: none"> It has a similar structure to diamond. It has same valency as Lithium. It has variable valency and is a member of the Oxygen family (group 16). 	3
9	<ol style="list-style-type: none"> How many isomers are possible for the compound with the molecular formula C_4H_8? Draw the electron dot structure of branched chain isomer. How will you prove that C_4H_8 and C_5H_{10} are homologues? <p>OR</p> <p>A carbon compound 'A' having melting point 156K and boiling point 351K, with molecular formula C_2H_6O is soluble in water in all proportions.</p> <ol style="list-style-type: none"> Identify 'A' and draw its electron dot structure. Give the molecular formulae of any two homologues of 'A'. 	3

10	<p>Two pea plants - one with round yellow seeds (RRYY) and another with wrinkled green (rryy) seeds produce F₁ progeny that have round, yellow (RrYy) seeds.</p> <p>When F₁ plants are self-pollinated, which new combination of characters is expected in F₂ progeny? How many seeds with these new combinations of characters will be produced when a total 160 seeds are produced in F₂ generation? Explain with reason.</p>	3
11	<p>a. It would cost a man Rs. 3.50 to buy 1.0 kW h of electrical energy from the Main Electricity Board. His generator has a maximum power of 2.0 kW. The generator produces energy at this maximum power for 3 hours. Calculate how much it would cost to buy the same amount of energy from the Main Electricity Board.(1 Mark)</p> <p>b. A student boils water in an electric kettle for 20 minutes. Using the same mains supply he wants to reduce the boiling time of water. To do so should he increase or decrease the length of the heating element? Justify your answer.(2 Marks)</p>	3
12	 <p>In the above circuit, if the current reading in the ammeter A is 2A, what would be the value of R_1?</p> <p>OR</p>  <p>Calculate the total resistance of the circuit and find the total current in the circuit.</p>	3
13	<p>Gas A, found in the upper layers of the atmosphere, is a deadly poison but is essential for all living beings. The amount of this gas started declining sharply in the 1980s.</p> <p>a. Identify Gas A. How is it formed at higher levels of the atmosphere?</p> <p>b. Why is it essential for all living beings? State the cause for the depletion of this gas.</p>	3

SECTION – C

This section has 02 case-based questions (14 and 15). Each case is followed by 03 sub-questions (a, b and c). Parts a and b are compulsory. However, an internal choice has been provided in part c.

14	<p>Sahil performed an experiment to study the inheritance pattern of genes. He crossed tall pea plants (TT) with short pea plants (tt) and obtained all tall plants in F₁ generation.</p> <p>a. What will be set of genes present in the F₁ generation? (1 Mark)</p> <p>b. Give reason why only tall plants are observed in F₁ progeny. (1 Mark)</p> <p>c. When F₁ plants were self - pollinated, a total of 800 plants were produced. How many of these would be tall, medium height or short plants? Give the genotype of F₂ generation. (2 Marks)</p> <p style="text-align: center;">OR</p> <p>When F₁ plants were cross - pollinated with plants having tt genes, a total of 800 plants were produced. How many of these would be tall, medium height or short plants? Give the genotype of F₂ generation.</p>	4
15	<p>Ansari Sir was demonstrating an experiment in his class with the setup as shown in the figure below.</p> <div style="text-align: center;">  <p>The diagram shows a rectangular coil (stationary coil) with a magnet (moving magnet) passing through it. The magnet has its North (N) pole at the top and South (S) pole at the bottom. The magnet is attached to a spring that is fixed to a horizontal bar at the top. The magnet is positioned such that it can move vertically through the coil. The coil is connected to a galvanometer, which is represented by a circle with an upward-pointing arrow. Labels with leader lines identify the 'spring', 'moving magnet', 'stationary coil', and 'galvanometer'.</p> </div> <p>A magnet is attached to a spring. The magnet can go in and out of the stationary coil.</p> <p>He lifted the Magnet and released it to make it oscillate through the coil. Based on your understanding of the phenomenon, answer the following questions.</p> <p>a. What is the principle which Ansari Sir is trying to demonstrate?</p> <p>b. What will be observed when the Magnet starts oscillating through the coil. Explain the reason behind this observation.</p> <p>c. Consider the situation where the Magnet goes in and out of the coil. State two changes which could be made to increase the deflection in the galvanometer.</p> <p style="text-align: center;">OR</p> <p>Is there any difference in the observations in the galvanometer when the Magnet swings in and then out of the stationary coil? Justify your answer.</p>	4

SAMPLE QUESTION PAPER 2021-22**TERM I****CLASS X****SOCIAL SCIENCE - CODE 087****TIME-90 MINUTES****MM-40M****General Instructions:**


- The Question Paper contains four sections.*
- Section A has 24 questions. Attempt any 20 questions.*
- Section B has 22 questions. Attempt any 18 questions.*
- Section C has 12 questions (Case based). Attempt any 10 questions.*
- Section D contains 2 Map based questions. Attempt both the questions.*
- All questions carry equal marks.*
- There is no negative marking.*

SECTION – A (Attempt any 20 out of 24 questions)	
1.	Who among the following was the founder of ‘Young Europe’ underground secret society in Berne? A. Giuseppe Garibaldi B. Giuseppe Mazzini C. Count Cavour D. Otto von Bismark
2.	Which of the following was the result of the Act of Union, 1707? A. Unification of Germany B. Unification of the kingdom of Great Britain C. Unification of Italy D. Unification of Vietnam
3.	Identify the correct statement with regard to the ‘Zollverein’ from the following options: A. It was a coalition of Prussian states formed to manage political alliances. B. Its aim was to bind the Prussia politically into an association. C. It was a Custom Union at the initiative of Prussia. D. It helped to awaken and raise national sentiment in Europe.
4.	Which of the following countries were involved in the Three Wars with Prussia and ended with victory and unification of Germany? A. Austria, Poland and France B. Austria, Denmark and France C. Austria, Turkey and France D. Austria, England and France

5.	<p>Identify the ideology under which people demanded freedom of markets in early-nineteenth-century Europe.</p> <p>A. Romanticism B. Liberalism C. Socialism D. Rationalism</p>
6.	<p>Choose the correctly matched pair about the crops and the areas they are grown in:</p> <p>A. Groundnut- Assam B. Tea- Gujarat C. Coffee- Karnataka D. Sugarcane – Chhattisgarh</p>
7.	<p>The piece of land left uncultivated for the past 1 to 5 agricultural years is called _____.</p> <p>Choose the correct option:</p> <p>A. Barren land B. Forest land C. Grazing land D. Fallow land</p>
8.	<p>Which one of the following conferences was convened to discuss environmental protection and socio-economic development at the global level in 1992?</p> <p>A. Kyoto Protocol B. Montreal Protocol C. Rio de Janeiro Earth Summit D. World Summit on Sustainable Development</p>
9.	<p>India has land under a variety of relief features. Which of the following features ensure perennial flow of some rivers, provide facilities for tourism and ecological aspects?</p> <p>A. Plains B. Plateaus C. Islands D. Mountains</p>
10.	<p>Which one of the following human activities has contributed significantly in land degradation?</p> <p>A. Deforestation B. Crop rotation C. Shelter belts D. Ploughing</p>

11.	Which one of the following countries adopted majoritarianism in their Constitution? A. Nepal B. India C. Sri Lanka D. Bangladesh
12.	Identify the significant reason of power sharing from the following options. A. Reduces socio-economic conflicts B. Provides ethnic -cultural development C. Allows people to enjoy specific rights D. Restricts supremacy of one party
13.	Apart from the Central and the State Government, Belgium has a third kind of government as well. Identify this third kind of government from the following options: A. Democratic Government B. Socialist Government C. Community Government D. Liberal Government
14.	Which of the following countries is an example of 'Coming Together Federation'? A. India B. Sri Lanka C. USA D. Belgium
15.	Why is the power shared amongst different organs of government called as horizontal distribution of power? Identify the correct reason. A. It gives judiciary more power than legislature and executive. B. It allows different organs of government to be placed at the same level. C. It gives representation to different ideologies at political level. D. It influences and coordinates in the decision-making process.
16.	In India's federal system, the Central and the State governments have the power to legislate on all those subjects which are included in the: A. Union list B. State list C. Concurrent list D. Residuary subjects
17.	Which of the following states of India enjoy special powers under Article 371A of the Constitution of India? A. Nagaland B. Rajasthan C. Himachal Pradesh D. Tamil Nadu

18.	Which one the following is an example of Primary Sector activity? A. Baking B. Outsourcing C. Farming D. Banking
19.	Which of the following measures the proportion of literate population in the seven and above age group? A. Net Attendance Ratio B. Enrolment Rate C. Literacy Rate D. Drop out Ratio
20.	Which one of the following is the correct meaning of 'Average Income'? A. The total income of the country divided by its earning population. B. The total income of the country divided by its total population. C. The total income of all the residents of the country. D. The total income from the domestic and foreign sources.
21.	Which one of the following best describes Human Development Index (HDI)? A. Improvement in science, information and technology B. Improvement in health, education and income C. Improvement in information and communication D. Improvement in investment, finance and technology
22.	"Consequences of environmental degradation do not respect national or state boundaries." Which of the following is the essence of this statement? A. Economic development B. Human Development C. Sustainable Development D. National Development
23.	Which of the following examples fall under an organized sector? A. A daily wage labourer working for a contractor. B. An engineer getting all employment benefits. C. A cleaning staff in a private school D. A tailor stitching clothes at his home.
24.	Mahatma Gandhi National Rural Employment Guarantee Act 2005 states a guarantee of minimum 100 days of employment per year. If government is unable to fulfil these 100 days of an employment, the government would have to----- Choose the correct option: A. Pay the compensation in lieu of these days B. Provide another scheme for the same C. Pay at least 1/3 percent allowance D. Provide health care as compensation

	<p style="text-align: center;">SECTION – B (Attempt any 18 out of 22 questions)</p>
25.	<p>Following image is the personification of Germany commonly associated with the Romantic Era and the Revolutions of 1848. Identify its name from among the following options.</p> <div style="text-align: center;">  </div> <p>Options:</p> <ul style="list-style-type: none"> A. Marianna B. Philip Viet C. Germania D. La Italia <p><i>NOTE: Following question is for Visually impaired candidates in lieu of Q25.</i></p> <p>Identify the name of the Prussian King who was proclaimed German Emperor in a ceremony held at Versailles.</p> <ul style="list-style-type: none"> A. William I B. William II C. Henry VII D. Louis IV
26.	<p>Which of the following option(s) is/are correct about Balkan nationalism?</p> <ul style="list-style-type: none"> I. The Balkan region became part of the conflict because of the Ottoman Empire. II. The region comprised of ethnic groups included Greeks, Serbs, Montenegro, etc. III. British and ethnic nationalities struggled to establish their identity. <p>Options:</p> <ul style="list-style-type: none"> A. I & II B. II & III C. Only II D. Only I

27.	<p>Why did the weavers in Silesia revolt against contractors in 1845? Identify the appropriate reason from the following options.</p> <p>A. Contractors did not pay their dues B. Contractors appointed few on high posts C. Contractors used government policies D. Contractors gave them loans on high interests</p>
28.	<p>Identify the major aspect that helped in the formation of a nation-state in Britain.</p> <p>A. In 1688, the monarch of Britain fought war with English Parliament. B. The Parliament through a bloodless revolution seized power from the monarchy. C. The British nation was formed as a result of a war with Ireland and Wales. D. The formation of a nation-state in Britain was the result of many revolts.</p>
29.	<p>Identify the soil with the help of clues given below –</p> <ul style="list-style-type: none"> • develops in areas with high temperature and heavy rainfall • is low in humus content • found in the hilly areas of Karnataka, Kerala and Tamil Nadu <p>A. Forest soil B. Yellow soil C. Black soil D. Laterite soil</p>
30.	<p>Which of the following categories of resources can we put Tidal energy in?</p> <p>A. Renewable resources B. Non-renewable resources C. Actual resources D. Potential resources</p>
31.	<p>Consider the following statements on power sharing and select the answer using the codes given below:</p> <p>I. It is good for democracy. II. It creates harmony in different groups III. It brings transparency in the governance. IV. It brings socio-political competition among parties.</p> <p>Options:</p> <p>A. I, II & III B. II, III & IV C. I, III & IV D. I, II & IV</p>
32.	<p>How does Judiciary act as an umpire in a federal nation?</p> <p>A. Judiciary rules over Centre and State B. Centre and Judiciary work collectively C. Courts can change structure of Constitution D. Courts use the power to interpret the Constitution</p>

33.	<p>Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate option.</p> <p>Assertion (A): Sri Lanka adopted Sinhala as the only official language of the state.</p> <p>Reason (R): The government of Sri Lanka wanted to foster their culture, language and religion.</p> <p>Options:</p> <p>A. Both A and R are true, and R is the correct explanation of A.</p> <p>B. Both A and R are true, but R is not the correct explanation of A.</p> <p>C. A is true but R is false.</p> <p>D. A is false but R is true</p>										
34.	<p>Match the following items given in Column A with those in Column B.</p> <table border="0"> <thead> <tr> <th>Column A</th><th>Column B</th></tr> </thead> <tbody> <tr> <td>I. Information Technology</td><td>1. Concurrent List</td></tr> <tr> <td>II. Police</td><td>2. Union List</td></tr> <tr> <td>III. Education</td><td>3. State List</td></tr> <tr> <td>IV. Defence</td><td>4. Residuary Subjects</td></tr> </tbody> </table> <p>Choose the correct answer from the option given below:</p> <p>A. I-4, II-3, III-1, IV-2</p> <p>B. I-3, II-4, III-1, IV-2</p> <p>C. I-4, II-1, III-3, IV-2</p> <p>D. I-4, II-2, III-1, IV-3</p>	Column A	Column B	I. Information Technology	1. Concurrent List	II. Police	2. Union List	III. Education	3. State List	IV. Defence	4. Residuary Subjects
Column A	Column B										
I. Information Technology	1. Concurrent List										
II. Police	2. Union List										
III. Education	3. State List										
IV. Defence	4. Residuary Subjects										
35.	<p>Anita is appearing in an examination conducted for recruitment to Central Government positions. In how many languages as mentioned in the 8th Schedule can she opt to take the exam? Select the appropriate option.</p> <p>A. 18</p> <p>B. 21</p> <p>C. 22</p> <p>D. 25</p>										
36.	<p>Identify the administrative system of Indian Government with the help of the following information.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <ul style="list-style-type: none"> • Power shared between Central and State Governments to Local Governments. • It is called as a third tier of the Government. • The State Governments are required to share some powers and revenue with them. </div>										

	<p>Select the appropriate option from the following.</p> <ul style="list-style-type: none"> A. Federal system B. Unitary Federal system C. Decentralised system D. Unitary system
37.	<p>Which of the following options prove that India is a quasi-federal state?</p> <ul style="list-style-type: none"> I. More powers with Centre II. Residuary subjects with Centre III. Equal subjects with Centre and States IV. Currency and Railways with Centre <p>Options:</p> <ul style="list-style-type: none"> A. I, III & IV B. I, II & IV C. II, III & IV D. II, III & IV
38.	<p>Identify the correct statement/s about the theory of Federalism in the Indian Constitution.</p> <ul style="list-style-type: none"> I. The Constitution declared India as a Union of States. II. Sharing of power between the Union Government and the State governments is basic to the structure of the Constitution. III. It is easy to make changes to this power sharing arrangement. IV. The Parliament can on its own change this arrangement. <p>Options:</p> <ul style="list-style-type: none"> A. I & II B. II & III C. I & III D. II & IV
39.	<p>Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate option.</p> <p>Assertion (A): Human Development mentions how much socio-economic development has happened in a country.</p> <p>Reason (R): Comparison of national income of two countries explains Human Development Index.</p> <p>Options:</p> <ul style="list-style-type: none"> A. Both A and R are true, and R is the correct explanation of A. B. Both A and R are true, but R is not the correct explanation of A. C. A is true but R is false. D. A is false but R is true.
40.	<p>Choose the correct option from the following:</p>

	<div><div>List I (Example)</div><div>List II (Sectors)</div><div><div>A. Courier</div><div>B. Fisherman</div><div>C. Carpenter</div><div>D. Transporter</div></div><div><div>Tertiary Sector</div><div>Secondary Sector</div><div>Primary Sector</div><div>Secondary Sector</div></div></div>																																			
41.	<div>Read the following data and information carefully and select the most appropriate answer from the given options:</div> <div><table><tr><th colspan="6">TABLE FOR COMPARISON OF THREE COUNTRIES</th></tr><tr><th rowspan="2">Countries</th><th colspan="5">Monthly income of citizens in 2007 (in Rupees)</th></tr><tr><th>I</th><th>II</th><th>III</th><th>IV</th><th>V</th></tr><tr><td>Country A</td><td>9500</td><td>10500</td><td>9800</td><td>10000</td><td>10200</td></tr><tr><td>Country B</td><td>500</td><td>500</td><td>500</td><td>500</td><td>48000</td></tr><tr><td>Country C</td><td>5000</td><td>1000</td><td>15000</td><td>4000</td><td>25000</td></tr></table><div><p>Rita is an employee of a multinational company who gets transferred to different countries after every three years of service. She has been given an opportunity to choose any one out of the three countries mentioned in the table above as her next job location. She calculates average income of all these countries as per the given data and chooses to be transferred to Country A.</p><p>Identify the reason for which Rita has chosen country A.</p><div><div>A. Most of its citizens are rich and stable</div><div>B. Has most equitable distribution of income</div><div>C. National income of its citizens is higher</div><div>D. Average income of its citizens is lower</div></div></div></div>	TABLE FOR COMPARISON OF THREE COUNTRIES						Countries	Monthly income of citizens in 2007 (in Rupees)					I	II	III	IV	V	Country A	9500	10500	9800	10000	10200	Country B	500	500	500	500	48000	Country C	5000	1000	15000	4000	25000
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42.	<div>Vijay is undernourished as his weight is 45 kgs and his height is 1.78 meters. Find out his Body Mass Index (BMI) from the following options.</div> <div><div>A. 12.6</div><div>B. 13.5</div><div>C. 14.7</div><div>D. 15.2</div></div>																																			
43.	<div>A woman works at a sweet shop in her village on a contract basis and gets meagre salary after working the entire day. She doesn't get any holidays or paid leave, rather her employer deducts her salary whenever she is absent from work. Find out in which of the following sectors she is working?</div> <div><div>A. Primary Sector</div><div>B. Service Sector</div><div>C. Organized Sector</div><div>D. Unorganised Sector</div></div>																																			

44.	<p>According to 2017-2018 data, the share of different sectors in employment (percentage) in India was</p> <ul style="list-style-type: none"> ● Primary Sector - 44% ● Secondary Sector - 25% ● Tertiary Sector - 31% <p>Out of the three sectors, why did the ratio of employment in Primary Sector high? Select the most suitable option from the following:</p> <p>A. Workers in the Primary Sector are underemployed B. Low job opportunities in Secondary Sector C. Efforts of labour are not equivalent in all the sectors D. Outsourcing of job opportunities in Secondary Sector</p>
45.	<p>Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate option.</p> <p>Assertion (A): Crude oil reserves in the entire world are depleting, we need to find a sustainable substitute for it.</p> <p>Reason (R): Oil and petrol prices are increasing day by day.</p> <p>Options:</p> <p>A. Both A and R are true, and R is the correct explanation of A. B. Both A and R are true, but R is not the correct explanation of A. C. A is true but R is false. D. A is false but R is true</p>
46.	<p>A man is employed on a food processing farm where he has to do a lot of manual work. His wife and daughter also help him in his work on the farm every day. Which type of employment is this an example?</p> <p>A. Under employment B. Seasonal employment C. Over employment D. Cyclical employment</p>
	<p>SECTION – C</p> <p>(This section consists of two cases. There are total of 12 questions in this section. Attempt any 10 questions from this section.)</p>
	<p>Read the source given below and answer the questions by choosing the most appropriate option:</p> <p>Grimms' Fairy Tales is a familiar name in Germany. The brothers Jacob and Wilhelm Grimm were born in the German city of Hanau. While both of them studied law, they soon developed an interest in collecting old folktales. They spent six years travelling from village to village, talking to people and writing down fairy tales, which were handed down through the generations. These were popular both among children and adults.</p>

	<p>In 1812, they published their first collection of tales. Subsequently, both the brothers became active in liberal politics, especially the movement for freedom of the press. In the meantime, they also published a 33-volume dictionary of the German language.</p> <p>The Grimm brothers also saw French domination as a threat to German culture and believed that the folktales they had collected were expressions of a pure and authentic German spirit. They considered their projects of collecting folktales and developing the German language as part of the wider effort to oppose French domination and create a German national identity.</p>
47.	<p>Why did the Grimm brothers give the tales a readable form without changing their folkloric character? Choose the correct option from the following:</p> <ul style="list-style-type: none"> A. The collection enjoyed wide distribution in Germany. B. It became a model for the collecting of fantasy tales. C. It formed the basis for the science of the language. D. People easily accepted their written adventurous tales.
48.	<p>The impact of literary contributions of Grimm brothers was widespread. Identify the best suitable option depicting the same from the following:</p> <ul style="list-style-type: none"> A. Development of cities and towns B. Setting up of new political parties C. Promotion of ethnic belonging D. Emergence of socialist ideology
49.	<p>Fill in the blank from the given options</p> <p>The work of the Grimm Brothers influenced and inspired people to collect tales. They believed in a spirit of _____ and considered it essential for the reflection of national identity.</p> <ul style="list-style-type: none"> A. Culturalism B. Conservatism C. Extremism D. Liberalism
50.	<p>Why the foreign domination was considered a threat to nation building? Select the best suitable option from the following in reference to the context.</p> <ul style="list-style-type: none"> A. Exploitation of natural resources B. Erosion of native values and ethos C. Violence and mass killing of people D. Spread of new diseases in the country
51.	<p>How were the Germans able to connect with their culture? With reference to the above context, infer the appropriate option.</p> <ul style="list-style-type: none"> A. Through the feeling of formal way of communication B. Through the feeling of oneness as European community C. Through the feeling of collective belonging among nationals D. Through the feeling of coherence in reference to mannerism

52.	<p>Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate option.</p> <p>Assertion A: Regimes of 1815 did not tolerate criticism and dissent.</p> <p>Reason (R): Conservative regimes were autocratic.</p> <p>Options:</p> <p>A. Both A and R are true, and R is the correct explanation of A.</p> <p>B. Both A and R are true, but R is not the correct explanation of A.</p> <p>C. A is true but R is false.</p> <p>D. A is false but R is true.</p>
	<p>Read the source given below and answer the questions by choosing the most appropriate option:</p> <p>There has been a gradual shift from cultivation of food crops to cultivation of fruits, vegetables, oil-seeds and industrial crops. This has led to the reduction in net sown area under cereals and pulses. With the growing population of India, the declining food production puts a big question mark over the country's future food security.</p> <p>The competition for land between non-agricultural uses such as housing etc. and agriculture has resulted in reduction in the net sown area. The productivity of land has started showing a declining trend. Fertilisers, pesticides and insecticides, which once showed dramatic results, are now being held responsible for degrading the soils. Periodic scarcity of water has led to reduction in area under irrigation. Inefficient water management has led to water logging and salinity.</p>
53.	<p>One can infer from the above given information that marginal and small farmers have been pushed out of cultivation. Which one of the following is the prominent cause?</p> <p>A. Food and fruit crops are expensive in market</p> <p>B. Shift to multifarious crops according to demand</p> <p>C. Periodic scarcity of water in many regions</p> <p>D. Soil degradation and extensive Green Revolution</p>
54.	<p>Read the following statements and find the correct from the given options:</p> <p>I. Indian farmers are diversifying their cropping pattern.</p> <p>II. They are shifting production from cereals to fruits, vegetables, etc.</p> <p>III. Jute is in high demand in the Indian market.</p> <p>Options:</p> <p>A. I & II</p> <p>B. II&III</p> <p>C. III Only</p> <p>D. II Only</p>
55.	<p>According to the information given above, there has been reduction in the net sown area under cereals and pulses. Identify the reason.</p> <p>A. Lack of markets to sell cereals and pulses</p> <p>B. Earn more income from non-agricultural sector</p> <p>C. Need of huge labour in cultivating cereals and pulses</p> <p>D. Availability of more profits from commercial crops</p>

56.	<p>'Fertilisers, pesticides and insecticides, which once showed dramatic results, are now being held responsible for degrading the soil.' Infer the positive effects of these inputs noticed earlier from the following statements.</p> <p>A. These inputs have shown increased outputs and productivity.</p> <p>B. These are integral to the process of reducing agrarian losses.</p> <p>C. These inputs can cut the amount of harvestable produce.</p> <p>D. These are the leading causes of mortality and health problems.</p>
57.	<p>There are states in India which are using fertilisers, pesticides and insecticides at excessive level to increase their agricultural production. Identify the states which are at prominent level from the following options.</p> <p>A. Karnataka and Kerala</p> <p>B. Haryana and Punjab</p> <p>C. Punjab and Gujarat</p> <p>D. Haryana and Telangana</p>
58.	<p>Food production provides the base for food security and is a key determinant of food availability. Why is this trend shifting towards industrial crops? Choose the correct option in reference to the context.</p> <p>A. To improve the land use pattern</p> <p>B. To use intensive farming techniques</p> <p>C. To improve the fertility of soil</p> <p>D. To fetch more income and high earnings</p>

Section D

(Attempt both the Map based questions)

On the given outline map of India, identify the locations with the help of specified information.



59.	<p>On the political map of India, 'A' is marked as a Dam. Identify it from the following options.</p> <p>A. Salal B. Bhakra-Nangal C. Tehri D. Rana Pratap Sagar</p>
60.	<p>On the same map, 'B' is also marked as a major Tea cultivating state. Identify it from the following options.</p> <p>A. Assam B. Punjab C. Bihar D. Gujarat</p> <p><i>NOTE- The following questions are for the Visually Impaired Candidates in lieu of questions 59 and 60.</i></p> <p>59. Which of the following dam is located in Uttarakhand?</p> <p>A. Salal B. Bhakra Nangal C. Tehri D. Rana Pratap Sagar</p>
	<p>60. Which one of the following is a principal cereal crop?</p> <p>A. Rice B. Wheat C. Jowar D. Bajra</p>

SAMPLE QUESTION PAPER 2021-22
TERM II
CLASS X
SOCIAL SCIENCE - CODE 087

Time Allowed: 2 Hours

Maximum Marks: 40

General Instructions:

- i. This Question paper is divided into five sections-Section A, B, C, D and E.
- ii. All questions are compulsory.
- iii. **Section-A:** Question no. 1 to 5 are very short answer type questions of 2 marks each. Answer to each question should not exceed 40 words.
- iv. **Section-B:** Question no. 6 to 8 are short answer type questions, carrying 3 marks each. Answer to each question should not exceed 80 words.
- v. **Section-C:** Question no. 9 and 10 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
- vi. **Section-D:** Question no. 11 and 12 are Case Based questions.
- vii. **Section-E:** Question no. 13 is map based, carrying 3 marks with two parts, 13.1 from History (1 mark) and 13.2 from Geography (2 marks).
- viii. There is no overall choice in the question paper. However, an internal choice has been provided in a few questions. Only one of the choices in such questions have to be attempted.
- ix. In addition to this, separate instructions are given with each section and question, wherever necessary.

SECTION-A	2X5
Very Short Answer Questions	=10

- | | | |
|---|---|---|
| 1 | How did the Non-Cooperation Movement unfold in the cities and towns of India? | 2 |
| 2 | Why is tourism considered as a trade? | 2 |
| 3 | Differentiate between one party and two party system. | 2 |
| 4 | State the role of Reserve Bank of India. | 2 |
| 5 | Read the data in the table given below and answer the questions that follow: | 2 |

Total production of finished steel in India	
Year	Production (in million tonnes)
2015- 2016	106.60
2016-2017	120.14
2017- 2018	126.85
2018-2019	101.29
2019-2020	102.62

Source: Ministry of Steel, Government of India (NCERT)

5.1 Compare the 2015-2016 and 2019-2020 data and give any one reason for the reduction of production of steel in 2019-2020. (1)

5.2 Why is production and consumption of steel considered as an index of a country's development? (1)

Section-B Short Answer Type Questions		3X3 =9
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6. Why do most of the rural households still remain dependent on the informal sources of credit? Explain. 3

OR

How do Self Help Groups help borrowers to overcome the problem of lack of collateral? Explain. 3

7. "Tribal peasants interpreted the message of Mahatma Gandhi and the idea of swaraj in another way and participated in the Non-Cooperation Movement differently." Justify the statement. 3

8. Examine the role of Political Parties in a democratic country. 3

Section-C Long Answer Type Questions		5x2 =10
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9. Democracy's ability to generate its own support is itself an outcome that cannot be ignored.' Support the statement with examples. 5

OR

'There is an overwhelming support for the idea of democracy in South Asia.' Support the statement with examples.

10. Examine the role of Information Technology in stimulating the process of globalization. 5

OR

Assess the impact of globalization on India and its people.

Section-D Case Based Questions		4x2 =8
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11. Read the given text and answer the following questions:

'It is said of "passive resistance" that it is the weapon of the weak, but the power which is the subject of this article can be used only by the strong. This power is not passive resistance; indeed, it calls for intense activity. The movement in South Africa was not passive but active ...

'Satyagraha is not physical force. A satyagrahi does not inflict pain on the adversary; he does not seek his destruction ... In the use of satyagraha, there is no ill-will whatever.

'Satyagraha is pure soul-force. Truth is the very substance of the soul. That is why this force is called satyagraha. The soul is informed with knowledge. In it burns the flame of love. ... Nonviolence is the supreme dharma ... 'It is certain that India cannot rival Britain or Europe in force of arms. The British worship the war-god and they can all of them become, as they are becoming, bearers of arms. The hundreds of millions in India can never carry arms. They have made the religion of non-violence their own ...'

- 11.1. Why did Gandhiji consider nonviolence as supreme dharma? (1)

11.2 How was Gandhian satyagraha taken by the people who believed in his philosophy? (1)

11.3 Why was Gandhian satyagraha considered as a novel way to resist injustice? (2)

12. **Read the given text and answer the following questions:** 4

Ever since humans appeared on the earth, they have used different means of communication. But, the pace of change, has been rapid in modern times. Long distance communication is far easier without physical movement of the communicator or receiver. Personal communication and mass communication including television, radio, press, films, etc. are the major means of communication in the country. The Indian postal network is the largest in the world. It handles parcels as well as personal written communications. Cards and envelopes are considered first-class mail and are airlifted between stations covering both land and air. The second-class mail includes book packets, registered newspapers and periodicals. They are carried by surface mail, covering land and water transport. To facilitate quick delivery of mails in large towns and cities, six mail channels have been introduced recently. They are called Rajdhani Channel, Metro Channel, Green Channel, Business Channel, Bulk Mail Channel and Periodical Channel.

12.1 Examine the role of the Indian postal network. (1)

12.2 Differentiate between mass communication and personal communication. (1)

12.3 Analyse the significance of communication for a nation. (2)

Section-E
Map Skill Based Question

1x3
=3

13. 13.1 On the given outline Political Map of India, identify the place marked as A with the help of following information and write its correct name on the line marked near it. 3

(A) The place where Non Cooperation Movement was called off due to violence. (1)

13.2 On the same given map of India, locate the following:

(I) Namrup Thermal Plant (1)

OR

Noida Software Technology Park

(II) Raja Sansi (Sri Guru Ram Dass Jee) International Airport (1)



Note: The following question is for Visually Impaired Candidates only in lieu of Q. No.13.1

13.1 Name the State where the session of Indian National Congress was held in 1927. (1)

Note: The following questions are for Visually Impaired Candidates only in lieu of Q. No.13.2. Attempt ANY TWO questions.

13.2 Name the State where Namrup Thermal Plant is located. (1)

13.3 Name the State where Noida Software Technology Park is located. (1)

13.4 Name the city where Raja Sansi (Sri Guru Ram Dass Jee) International Airport is located. (1)

Sample Question Paper
Class- X Session- 2021-22
TERM 1
Subject- Mathematics (Basic)

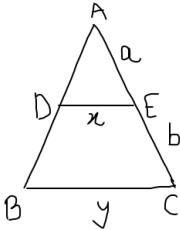
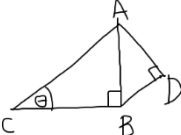
Time Allowed: 90 minutes

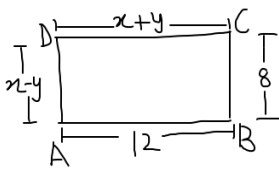
Maximum Marks: 40

General Instructions:

1. The question paper contains three parts A, B and C.
2. Section A consists of 20 questions of 1 mark each. Attempt any 16 questions.
3. Section B consists of 20 questions of 1 mark each. Attempt any 16 questions.
4. Section C consists of 10 questions based on two Case Studies. Attempt any 8 questions.
5. There is no negative marking.

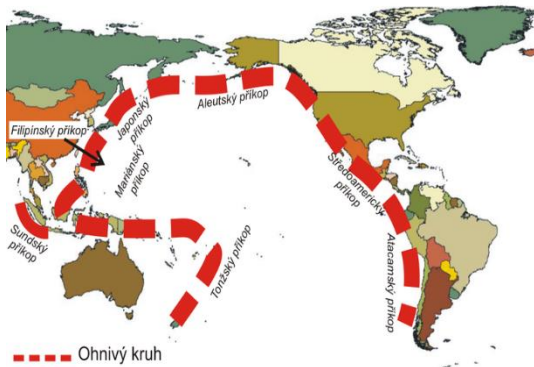
SECTION A		
Section A consists of 20 questions. Any 16 questions are to be attempted		
Q.NO.		MARKS
1	A box contains cards numbered 6 to 50. A card is drawn at random from the box. The probability that the drawn card has a number which is a perfect square like 4,9....is (a) $1/45$ (b) $2/15$ (c) $4/45$ (d) $1/9$	1
2	In a circle of diameter 42cm ,if an arc subtends an angle of 60° at the centre where $\pi = 22/7$, then the length of the arc is (a) $22/7$ cm (b) 11cm (c) 22 cm (d) 44 cm	1
3	If $\sin\theta = x$ and $\sec\theta = y$, then $\tan\theta$ is (a) xy (b) x/y (c) y/x (d) $1/xy$	1
4	The pair of linear equations $y = 0$ and $y = -5$ has (a) One solution (b) Two solutions (c) Infinitely many solutions (d) No solution	1
5	A fair die is thrown once. The probability of even composite number is (a) 0 (b) $1/3$ (c) $3/4$ (d) 1	1
6	8 chairs and 5 tables cost Rs.10500, while 5 chairs and 3 tables cost Rs.6450. The cost of each chair will be (a) Rs. 750 (b) Rs.600 (c) Rs. 850 (d) Rs. 900	1
7	If $\cos\theta + \cos^2\theta = 1$, the value of $\sin^2\theta + \sin^4\theta$ is (a) -1 (b) 0 (c) 1 (d) 2	1

8	<p>The decimal representation of $\frac{23}{2^3 \times 5^2}$ will be</p> <p>(a) Terminating (b) Non-terminating (c) Non-terminating and repeating (d) Non-terminating and non-repeating</p>	1
9	<p>The LCM of $2^3 \times 3^2$ and $2^2 \times 3^3$ is</p> <p>(a) 2^3 (b) 3^3 (c) $2^3 \times 3^3$ (d) $2^2 \times 3^2$</p>	1
10	<p>The HCF of two numbers is 18 and their product is 12960. Their LCM will be</p> <p>(a) 420 (b) 600 (c) 720 (d) 800</p>	1
11	<p>In the given figure, $DE \parallel BC$. Which of the following is true?</p>  <p>(a) $x = \frac{a+b}{ay}$ (b) $y = \frac{ax}{a+b}$ (c) $x = \frac{a+b}{ay}$ (d) $\frac{x}{y} = \frac{a}{b}$</p>	1
12	<p>The co-ordinates of the point P dividing the line segment joining the points A (1,3) and B (4,6) internally in the ratio 2:1 are</p> <p>(a) (2,4) (b) (4,6) (c) (4,2) (d) (3,5)</p>	1
13	<p>The prime factorisation of 3825 is</p> <p>(a) $3 \times 5^2 \times 21$ (b) $3^2 \times 5^2 \times 35$ (c) $3^2 \times 5^2 \times 17$ (d) $3^2 \times 25 \times 17$</p>	1
14	<p>In the figure given below, $AD=4\text{cm}$, $BD=3\text{cm}$ and $CB=12\text{ cm}$, then $\cot\theta$ equals</p>  <p>(a) $3/4$ (b) $5/12$ (c) $4/3$ (d) $12/5$</p>	1

15	<p>If ABCD is a rectangle , find the values of x and y</p>  <p>(a) $x=10, y=2$ (b) $x=12, y=8$ (c) $x=2, y=10$ (d) $x=20, y=0$</p>	1
16	<p>In an isosceles triangle ABC, if $AC=BC$ and $AB^2=2AC^2$, then the measure of angle C will be</p> <p>(a) 30° (b) 45° (c) 60° (d) 90°</p>	1
17	<p>If -1 is a zero of the polynomial $p(x)=x^2-7x-8$, then the other zero is</p> <p>(a) -8 (b) -7 (c) 1 (d) 8</p>	1
18	<p>In a throw of a pair of dice, the probability of the same number on each die is</p> <p>(a) $1/6$ (b) $1/3$ (c) $1/2$ (d) $5/6$</p>	1
19	<p>The mid-point of $(3p,4)$ and $(-2,2q)$ is $(2,6)$. Find the value of $p+q$</p> <p>(a) 5 (b) 6 (c) 7 (d) 8</p>	1
20	<p>The decimal expansion of $\frac{147}{120}$ will terminate after how many places of decimals?</p> <p>(a) 1 (b) 2 (c) 3 (d) 4</p>	1
SECTION B		
Section B consists of 20 questions of 1 mark each. Any 16 questions are to be attempted		
21	<p>The perimeter of a semicircular protractor whose radius is 'r' is</p> <p>(a) $\pi + 2r$ (b) $\pi + r$ (c) πr (d) $\pi r + 2r$</p>	1
22	<p>If $P(E)$ denotes the probability of an event E, then</p> <p>(a) $0 < P(E) \leq 1$ (b) $0 < P(E) < 1$ (c) $0 \leq P(E) \leq 1$ (d) $0 \leq P(E) < 1$</p>	1

23	In $\triangle ABC$, $\angle B = 90^\circ$ and $BD \perp AC$. If $AC = 9\text{ cm}$ and $AD = 3\text{ cm}$ then BD is equal to (a) $2\sqrt{2}\text{ cm}$ (b) $3\sqrt{2}\text{ cm}$ (c) $2\sqrt{3}\text{ cm}$ (d) $3\sqrt{3}\text{ cm}$	1
24	The pair of linear equations $3x+5y=3$ and $6x+ky=8$ do not have a solution if (a) $K=5$ (b) $K=10$ (c) $k \neq 10$ (d) $k \neq 5$	1
25	If the circumference of a circle increases from 2π to 4π then its area _____ the original area (a) Half (b) Double (c) Three times (d) Four times	1
26	Given that $\sin\theta = a/b$, then $\tan\theta$ is equal to (a) $\frac{b}{\sqrt{a^2+b^2}}$ (b) $\frac{b}{\sqrt{b^2-a^2}}$ (c) $\frac{a}{\sqrt{a^2-b^2}}$ (d) $\frac{a}{\sqrt{b^2-a^2}}$	1
27	If $x = 2\sin^2\theta$ and $y = 2\cos^2\theta + 1$ then $x+y$ is (a) 3 (b) 2 (c) 1 (d) $1/2$	1
28	If the difference between the circumference and the radius of a circle is 37 cm , $\pi = 22/7$, the circumference (in cm) of the circle is (a) 154 (b) 44 (c) 14 (d) 7	1
29	The least number that is divisible by all the numbers from 1 to 10 (both inclusive) (a) 100 (b) 1000 (c) 2520 (d) 5040	1
30	Three bells ring at intervals of 4, 7 and 14 minutes. All three rang at 6 AM. When will they ring together again? (a) 6:07 AM (b) 6:14 AM (c) 6:28 AM (d) 6:25 AM	1
31	What is the age of father, if the sum of the ages of a father and his son in years is 65 and twice the difference of their ages in years is 50? (a) 40 years (b) 45 years (c) 55 years (d) 65 years	1
32	What is the value of $(\tan\theta \operatorname{cosec}\theta)^2 - (\sin\theta \sec\theta)^2$ (a) -1 (b) 0 (c) 1 (d) 2	1

33	The perimeters of two similar triangles are 26 cm and 39 cm. The ratio of their areas will be (a) 2:3 (b) 6:9 (c) 4:6 (d) 4:9	1
34	There are 20 vehicles-cars and motorcycles in a parking area. If there are 56 wheels together, how many cars are there? (a) 8 (b) 10 (c) 12 (d) 20	1
35	A man goes 15m due west and then 8m due north. How far is he from the starting point? (a) 7m (b) 10m (c) 17m (d) 23m	1
36	What is the length of an altitude of an equilateral triangle of side 8cm? (a) $2\sqrt{3}$ cm (b) $3\sqrt{3}$ cm (c) $4\sqrt{3}$ cm (d) $5\sqrt{3}$ cm	1
37	If the letters of the word RAMANUJAN are put in a box and one letter is drawn at random. The probability that the letter is A is (a) $\frac{3}{5}$ (b) $\frac{1}{2}$ (c) $\frac{3}{7}$ (d) $\frac{1}{3}$	1
38	Area of a sector of a circle is $\frac{1}{6}$ to the area of circle. Find the degree measure of its minor arc. (a) 90° (b) 60° (c) 45° (d) 30°	1
39	A vertical stick 20m long casts a shadow 10m long on the ground. At the same time a tower casts a shadow 50m long. What is the height of the tower? (a) 30m (b) 50m (c) 80m (d) 100m	1
40	What is the solution of the pair of linear equations $37x+43y=123$, $43x+37y=117$? (a) $x = 2, y = 1$ (b) $x = -1, y = 2$ (c) $x = -2, y = 1$ (d) $x = 1, y = 2$	1
	SECTION C Case study based questions	
	Section C consists of 10 questions of 1 mark each. Any 8 questions are to be attempted.	
	Case Study -1 Pacific Ring of Fire	

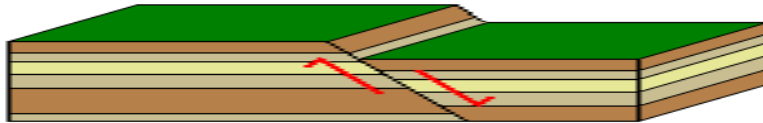


The Pacific Ring of Fire is a major area in the basin of the Pacific Ocean where many earthquakes and volcanic eruptions occur. In a large horseshoe shape, it is associated with a nearly continuous series of oceanic trenches, volcanic arcs, and volcanic belts and plate movements.

https://commons.wikimedia.org/wiki/File:Pacifick%C3%BD_ohniv%C3%BD_kruh.png

Fault Lines

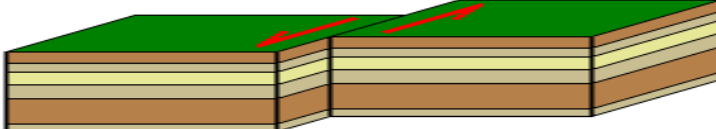
A normal fault



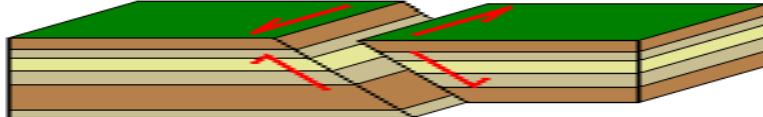
A reverse fault



A strike-slip fault



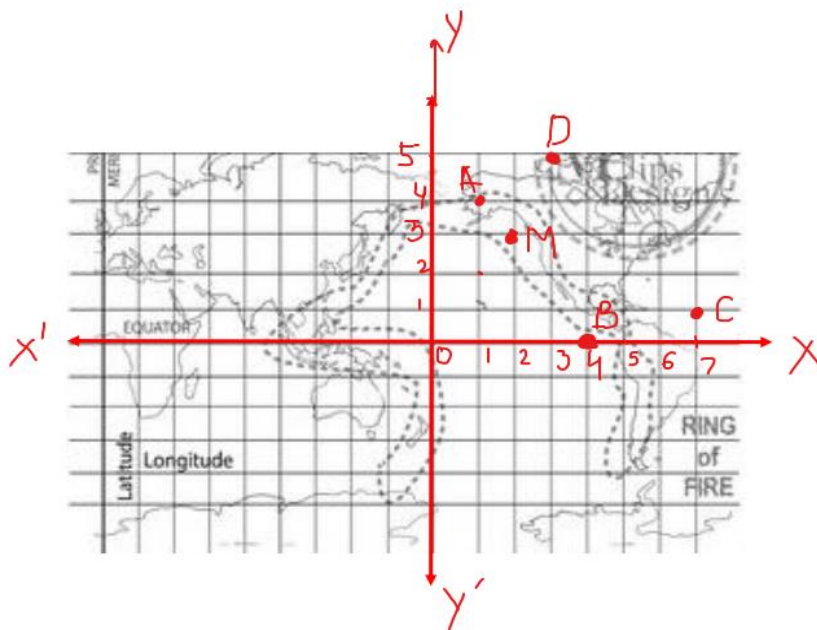
An oblique fault



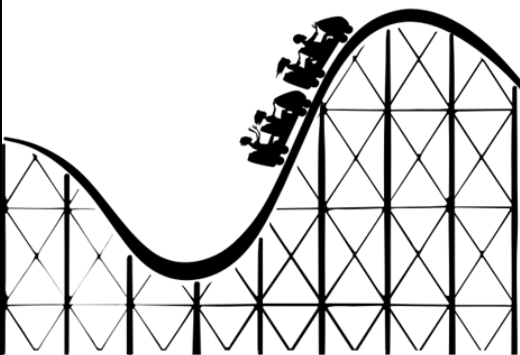
Large faults within the Earth's crust result from the action of plate tectonic forces, with the largest forming the boundaries between the plates. Energy release associated with rapid movement on active faults is the cause of most earthquakes.

<https://commons.wikimedia.org/wiki/File:Faults6.png>

Positions of some countries in the Pacific ring of fire is shown in the square grid below.



Based on the given information, answer the questions NO. 41-45

41	The distance between the point Country A and Country B is (a) 4 units (b) 5 units (c) 6 units (d) 7 units	1
42	Find a relation between x and y such that the point (x,y) is equidistant from the Country C and Country D (a) $x-y = 2$ (b) $x+y = 2$ (c) $2x-y = 0$ (d) $2x+y = 2$	1
43	The fault line $3x + y - 9 = 0$ divides the line joining the Country P(1, 3) and Country Q(2, 7) internally in the ratio (a) 3 : 4 (b) 3 : 2 (c) 2 : 3 (d) 4 : 3	1
44	The distance of the Country M from the x-axis is (a) 1 units (b) 2 units (c) 3 units (d) 5 units	1
45	What are the co-ordinates of the Country lying on the mid-point of Country A and Country D? (a) (1, 3) (b) (2, 9/2) (c) (4, 5/2) (d) (9/2, 2)	1
<p style="text-align: center;">Case Study -2 ROLLER COASTER POLYNOMIALS</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Polynomials are everywhere. They play a key role in the study of algebra, in analysis and on the whole many mathematical problems involving them. Since, polynomials are used to describe curves of various types engineers use polynomials to graph the curves of roller coasters.</p> <p>https://images.app.goo.gl/WfcM1aRTHjjqTyT27</p> </div> </div> <p>Based on the given information, answer the questions NO. 46-50.</p>		
46	If the Roller Coaster is represented by the following graph $y=p(x)$, then name the type of the polynomial it traces.	1

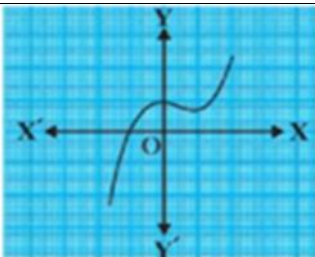


- (a) Linear
 (b) Quadratic
 (c) Cubic
 (d) Bi-quadratic

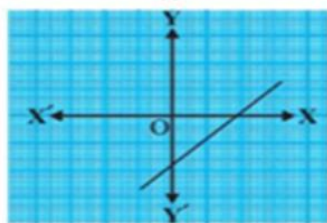
47 The Roller Coasters are represented by the following graphs $y=p(x)$. Which Roller Coaster has more than three distinct zeroes?

1

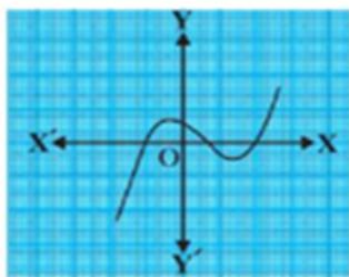
(a)

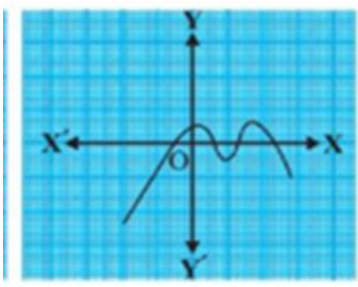
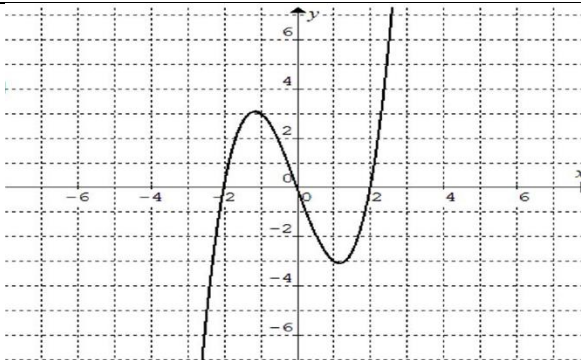
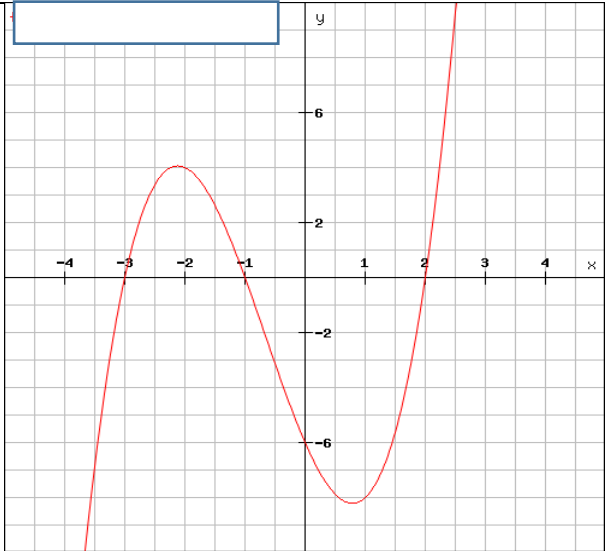


(b)



(c)



	(d)		
48	<p>If the Roller Coaster is represented by the cubic polynomial $t(x) = px^3 + qx^2 + rx + s$, then which of the following is always true</p> <p>(a) $s \neq 0$ (b) $r \neq 0$ (c) $q \neq 0$ (d) $p \neq 0$</p>		1
49	 <p>If the path traced by the Roller Coaster is represented by the above graph $y=p(x)$, find the number of zeroes?</p> <p>(a) 0 (b) 1 (c) 2 (d) 3</p>		1
50	<div style="border: 1px solid blue; width: 150px; height: 15px; margin-bottom: 5px;"></div>  <p>If the path traced by the Roller Coaster is represented by the above graph $y=p(x)$, find its zeroes?</p> <p>(a) -3, -6, -1 (b) 2, -6, -1 (c) -3, -1, 2 (d) 3, 1, -2</p>		1

Sample Question Paper
Class – X Session -2021-22

TERM 1

Subject- Mathematics (Standard) 041

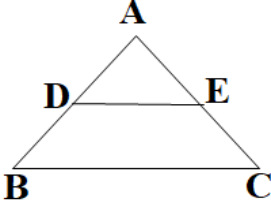
Time Allowed: 90 minutes

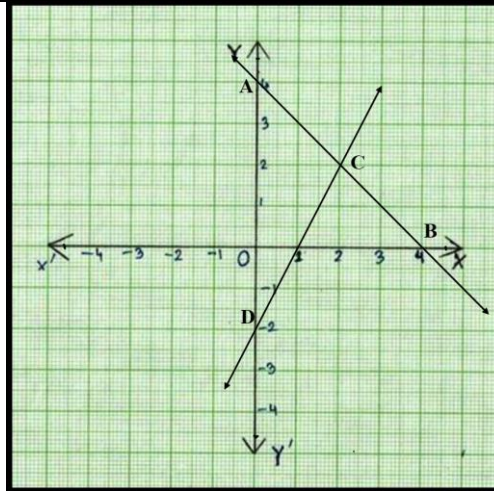
Maximum Marks: 40

General Instructions:

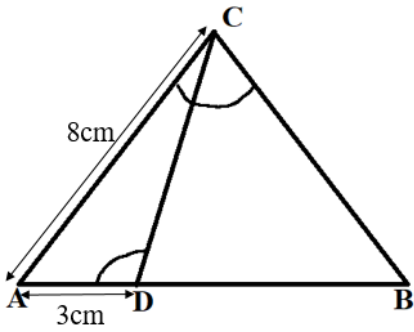
1. The question paper contains three parts A, B and C
2. Section A consists of 20 questions of 1 mark each. Any 16 questions are to be attempted
3. Section B consists of 20 questions of 1 mark each. Any 16 questions are to be attempted
- 4 Section C consists of 10 questions based on two Case Studies. Attempt any 8 questions.
5. There is no negative marking.

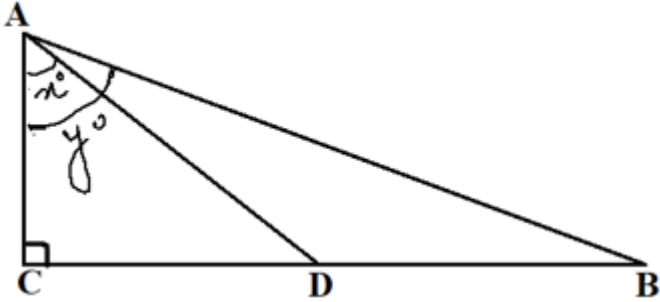
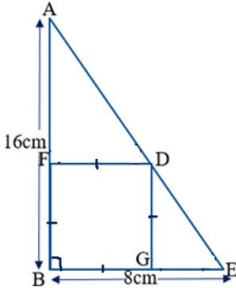
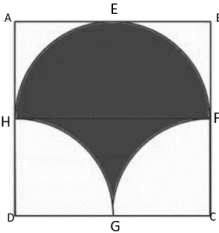
SECTION A		
Section A consists of 20 questions of 1 mark each. Any 16 questions are to be attempted		
Q No		Marks
1	The ratio of LCM and HCF of the least composite and the least prime numbers is (a) 1:2 (b) 2:1 (c) 1:1 (d) 1:3	1
2	The value of k for which the lines $5x+7y=3$ and $15x + 21y = k$ coincide is (a) 9 (b) 5 (c) 7 (d) 18	1
3	A girl walks 200m towards East and then 150m towards North. The distance of the girl from the starting point is (a)350m (b) 250m (c) 300m (d) 225	1
4	The lengths of the diagonals of a rhombus are 24cm and 32cm, then the length of the altitude of the rhombus is (a) 12cm (b) 12.8cm (c) 19 cm` (d) 19.2cm	1
5	Two fair coins are tossed. What is the probability of getting at the most one head? (a) $\frac{3}{4}$ (b) $\frac{1}{4}$ (c) $\frac{1}{2}$ (d) $\frac{3}{8}$	1
6	$\triangle ABC \sim \triangle PQR$. If AM and PN are altitudes of $\triangle ABC$ and $\triangle PQR$ respectively and $AB^2 : PQ^2 = 4 : 9$, then AM:PN = (a) 16:81 (b) 4:9 (c) 3:2 (d) 2:3	1
7	If $2\sin^2\beta - \cos^2\beta = 2$, then β is (a) 0° (b) 90° (c) 45° (d) 30°	1
8	Prime factors of the denominator of a rational number with the decimal expansion 44.123 are (a) 2,3 (b) 2,3,5 (c) 2,5 (d) 3,5	1
9	The lines $x = a$ and $y = b$, are (a) intersecting (b) parallel (c) overlapping (d) (None of these)	1
10	The distance of point A(-5, 6) from the origin is (a) 11 units (b) 61 units (c) $\sqrt{11}$ units (d) $\sqrt{61}$ units	1
11	If $a^2 = 23/25$, then a is (a) rational (b) irrational (c) whole number (d) integer	1

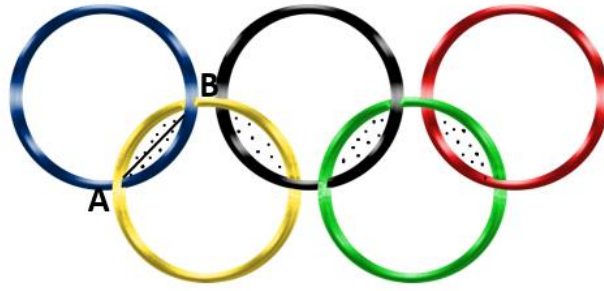
12	If $\text{LCM}(x, 18) = 36$ and $\text{HCF}(x, 18) = 2$, then x is (a) 2 (b) 3 (c) 4 (d) 5	1
13	In $\triangle ABC$ right angled at B, if $\tan A = \sqrt{3}$, then $\cos A \cos C - \sin A \sin C =$ (a) -1 (b) 0 (c) 1 (d) $\sqrt{3}/2$	1
14	If the angles of $\triangle ABC$ are in ratio 1:1:2, respectively (the largest angle being angle C), then the value of $\frac{\sec A}{\operatorname{cosec} B} - \frac{\tan A}{\cot B}$ is (a) 0 (b) $1/2$ (c) 1 (d) $\sqrt{3}/2$	1
15	The number of revolutions made by a circular wheel of radius 0.7m in rolling a distance of 176m is (a) 22 (b) 24 (c) 75 (d) 40	1
16	$\triangle ABC$ is such that $AB = 3$ cm, $BC = 2$ cm, $CA = 2.5$ cm. If $\triangle ABC \sim \triangle DEF$ and $EF = 4$ cm, then perimeter of $\triangle DEF$ is (a) 7.5 cm (b) 15 cm (c) 22.5 cm (d) 30 cm	1
17	In the figure, if $DE \parallel BC$, $AD = 3$ cm, $BD = 4$ cm and $BC = 14$ cm, then DE equals  (a) 7 cm (b) 6 cm (c) 4 cm (d) 3 cm	1
18	If $4 \tan \beta = 3$, then $\frac{4 \sin \beta - 3 \cos \beta}{4 \sin \beta + 3 \cos \beta} =$ (a) 0 (b) $1/3$ (c) $2/3$ (d) $3/4$	1
19	One equation of a pair of dependent linear equations is $-5x + 7y = 2$. The second equation can be a) $10x + 14y + 4 = 0$ b) $-10x - 14y + 4 = 0$ c) $-10x + 14y + 4 = 0$ d) $10x - 14y = -4$	1
20	A letter of English alphabets is chosen at random. What is the probability that it is a letter of the word 'MATHEMATICS'? (a) $4/13$ (b) $9/26$ (c) $5/13$ (d) $11/26$	1
SECTION B		
Section B consists of 20 questions of 1 mark each. Any 16 questions are to be attempted		
QN		MARKS
21	If sum of two numbers is 1215 and their HCF is 81, then the possible number of pairs of such numbers are (a) 2 (b) 3 (c) 4 (d) 5	1
22	Given below is the graph representing two linear equations by lines AB and CD respectively. What is the area of the triangle formed by these two lines and the line $x=0$?	1



- (a) 3sq. units (b) 4sq. units (c) 6sq. units (d) 8sq. units

23	If $\tan \alpha + \cot \alpha = 2$, then $\tan^{20} \alpha + \cot^{20} \alpha =$ (a) 0 (b) 2 (c) 20 (d) 2^{20}	1
24	If $217x + 131y = 913$, $131x + 217y = 827$, then $x + y$ is (a) 5 (b) 6 (c) 7 (d) 8	1
25	The LCM of two prime numbers p and q ($p > q$) is 221. Find the value of $3p - q$. (a) 4 (b) 28 (c) 38 (d) 48	1
26	A card is drawn from a well shuffled deck of cards. What is the probability that the card drawn is neither a king nor a queen? (a) $11/13$ (b) $12/13$ (c) $11/26$ (d) $11/52$	1
27	Two fair dice are rolled simultaneously. The probability that 5 will come up at least once is (a) $5/36$ (b) $11/36$ (c) $12/36$ (d) $23/36$	1
28	If $1 + \sin^2 \alpha = 3 \sin \alpha \cos \alpha$, then values of $\cot \alpha$ are (a) -1, 1 (b) 0, 1 (c) 1, 2 (d) -1, -1	1
29	The vertices of a parallelogram in order are A(1,2), B(4, y), C(x, 6) and D(3,5). Then (x, y) is (a) (6, 3) (b) (3, 6) (c) (5, 6) (d) (1, 4)	1
30	In the given figure, $\angle ACB = \angle CDA$, $AC = 8\text{cm}$, $AD = 3\text{cm}$, then BD is  <p>(a) $22/3$ cm (b) $26/3$ cm (c) $55/3$ cm (d) $64/3$ cm</p>	1
31	The equation of the perpendicular bisector of line segment joining points A(4,5) and B(-2,3) is (a) $2x - y + 7 = 0$ (b) $3x + 2y - 7 = 0$ (c) $3x - y - 7 = 0$ (d) $3x + y - 7 = 0$	1

32	<p>In the given figure, D is the mid-point of BC, then the value of $\frac{\cot y^\circ}{\cot x^\circ}$ is</p>  <p>(a) 2 (b) 1/2 (c) 1/3 (d) 1/4</p>	1
33	<p>The smallest number by which $1/13$ should be multiplied so that its decimal expansion terminates after two decimal places is</p> <p>(a) 13/100 (b) 13/10 (c) 10/13 (d) 100/13</p>	1
34	<p>Sides AB and BE of a right triangle, right angled at B are of lengths 16 cm and 8 cm respectively. The length of the side of largest square FDGB that can be inscribed in the triangle ABE is</p>  <p>(a) 32/3cm (b) 16/3cm (c) 8/3cm (d) 4/3cm</p>	1
35	<p>Point P divides the line segment joining R(-1, 3) and S(9,8) in ratio k:1. If P lies on the line $x - y + 2 = 0$, then value of k is</p> <p>(a) 2/3 (b) 1/2 (c) 1/3 (d) 1/4</p>	1
36	<p>In the figure given below, ABCD is a square of side 14 cm with E, F, G and H as the mid points of sides AB, BC, CD and DA respectively. The area of the shaded portion is</p>  <p>(a) 44cm² (b) 49 cm² (c) 98 cm² (d) 49π/2 cm²</p>	1
37	<p>Given below is the picture of the Olympic rings made by taking five congruent circles of radius 1cm each, intersecting in such a way that the chord formed by joining the point of intersection of two circles is also of length 1cm. Total area of all the dotted regions assuming the thickness of the rings to be negligible is</p>	1



- (a) $4(\pi/12 - \sqrt{3}/4) \text{ cm}^2$ (b) $(\pi/6 - \sqrt{3}/4) \text{ cm}^2$ (c) $4(\pi/6 - \sqrt{3}/4) \text{ cm}^2$ (d) $8(\pi/6 - \sqrt{3}/4) \text{ cm}^2$

- 38** If 2 and $\frac{1}{2}$ are the zeros of $px^2 + 5x + r$, then
 (a) $p = r = 2$ (b) $p = r = -2$ (c) $p = 2, r = -2$ (d) $p = -2, r = 2$ **1**
- 39** The circumference of a circle is 100 cm. The side of a square inscribed in the circle is
 (a) $50\sqrt{2} \text{ cm}$ (b) $100/\pi \text{ cm}$ (c) $50\sqrt{2}/\pi \text{ cm}$ (d) $100\sqrt{2}/\pi \text{ cm}$ **1**
- 40** The number of solutions of $3^{x+y} = 243$ and $243^{x-y} = 3$ is
 (a) 0 (b) 1 (c) 2 (d) infinite **1**

SECTION C

Case study based questions:
Section C consists of 10 questions of 1 mark each. Any 8 questions are to be attempted.

Q41-Q45 are based on Case Study -1

Case Study -1



The figure given alongside shows the path of a diver, when she takes a jump from the diving board. Clearly it is a parabola.

Annie was standing on a diving board, 48 feet above the water level. She took a dive into the pool. Her height (in feet) above the water level at any time 't' in seconds is given by the polynomial h(t) such that

$$h(t) = -16t^2 + 8t + k.$$

- 41** What is the value of k?
 (a) 0
 (b) - 48
 (c) 48
 (d) $48/-16$ **1**
- 42** At what time will she touch the water in the pool?
 (a) 30 seconds
 (b) 2 seconds
 (c) 1.5 seconds
 (d) 0.5 seconds **1**

43	Rita's height (in feet) above the water level is given by another polynomial $p(t)$ with zeroes -1 and 2. Then $p(t)$ is given by- (a) $t^2 + t - 2$. (b) $t^2 + 2t - 1$ (c) $24t^2 - 24t + 48$. (d) $-24t^2 + 24t + 48$.	1
44	A polynomial $q(t)$ with sum of zeroes as 1 and the product as -6 is modelling Anu's height in feet above the water at any time t (in seconds). Then $q(t)$ is given by (a) $t^2 + t + 6$ (b) $t^2 + t - 6$ (c) $-8t^2 + 8t + 48$ (d) $8t^2 - 8t + 48$	1
45	The zeroes of the polynomial $r(t) = -12t^2 + (k-3)t + 48$ are negative of each other. Then k is (a) 3 (b) 0 (c) -1.5 (d) -3	1

Q46-Q50 are based on Case Study -2

Case Study -2

A **hockey field** is the playing surface for the game of hockey. Historically, the game was played on natural turf (grass) but nowadays it is predominantly played on an artificial turf.

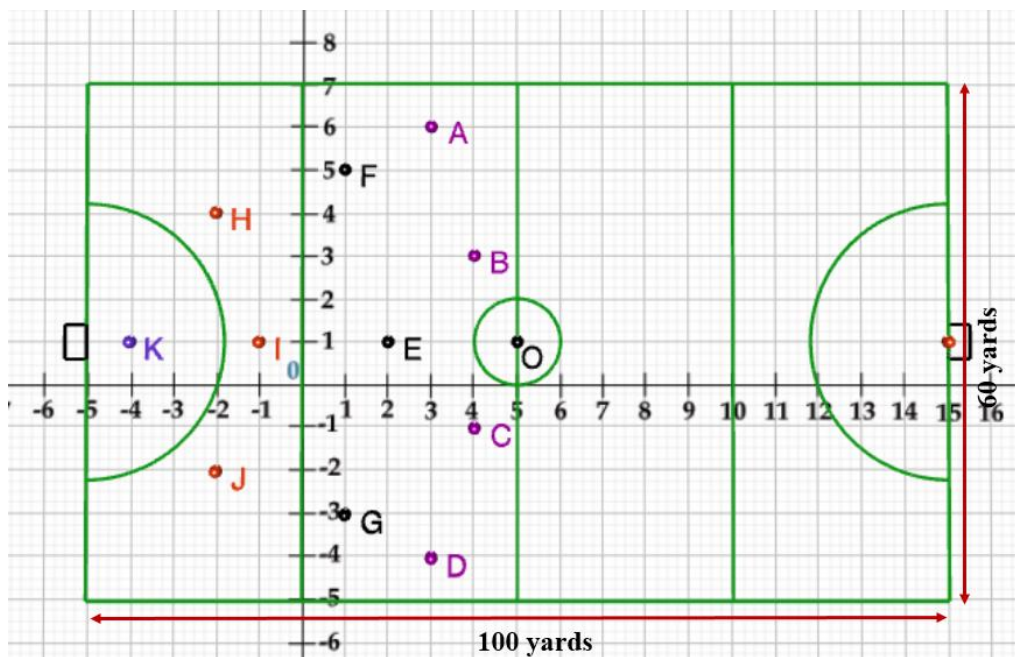
It is rectangular in shape - 100 yards by 60 yards. Goals consist of two upright posts placed equidistant from the centre of the backline, joined at the top by a horizontal crossbar. The inner edges of the posts must be 3.66 metres (4 yards) apart, and the lower edge of the crossbar must be 2.14 metres (7 feet) above the ground.

Each team plays with 11 players on the field during the game including the goalie.

Positions you might play include-

- **Forward:** As shown by players A, B, C and D.
- **Midfielders:** As shown by players E, F and G.
- **Fullbacks:** As shown by players H, I and J.
- **Goalie:** As shown by player K

Using the picture of a hockey field below, answer the questions that follow:



46	The coordinates of the centroid of $\triangle EHJ$ are (a) $(-2/3, 1)$ (b) $(1, -2/3)$ (c) $(2/3, 1)$ (d) $(-2/3, -1)$	1
47	If a player P needs to be at equal distances from A and G, such that A, P and G are in straight line, then position of P will be given by (a) $(-3/2, 2)$ (b) $(2, -3/2)$ (c) $(2, 3/2)$ (d) $(-2, -3)$	1
48	The point on x axis equidistant from I and E is (a) $(1/2, 0)$ (b) $(0, -1/2)$ (c) $(-1/2, 0)$ (d) $(0, 1/2)$	1
49	What are the coordinates of the position of a player Q such that his distance from K is twice his distance from E and K, Q and E are collinear? (a) $(1, 0)$ (b) $(0, 1)$ (c) $(-2, 1)$ (d) $(-1, 0)$	1
50	The point on y axis equidistant from B and C is (a) $(-1, 0)$ (b) $(0, -1)$ (c) $(1, 0)$ (d) $(0, 1)$	1

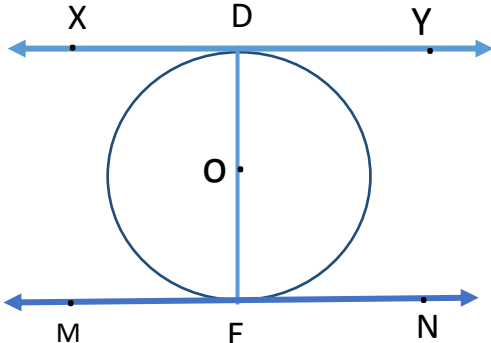
Sample Question Paper
Mathematics- Basic (241)
Class- X, Session: 2021-22
TERM II

Time Allowed: 2 hours

Maximum Marks: 40

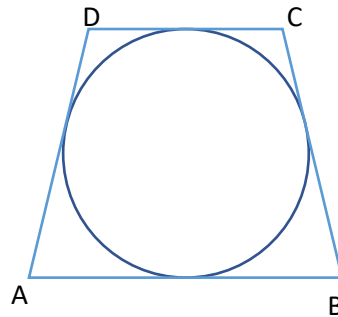
General Instructions:

1. The question paper consists of 14 questions divided into 3 sections A, B, C.
2. Section A comprises of 6 questions of 2 marks each. Internal choice has been provided in two questions.
3. Section B comprises of 4 questions of 3 marks each. Internal choice has been provided in one question.
4. Section C comprises of 4 questions of 4 marks each. An internal choice has been provided in one question. It contains two case study based questions.

SECTION A																		
Q.No.		MARKS																
1	Find the roots of the quadratic equation $3x^2 - 7x - 6 = 0$. OR Find the values of k for which the quadratic equation $3x^2 + kx + 3 = 0$ has real and equal roots.	2																
2	Three cubes each of volume 64cm^3 are joined end to end to form a cuboid. Find the total surface area of the cuboid so formed?	2																
3	An inter house cricket match was organized by a school. Distribution of runs made by the students is given below. Find the median runs scored. <table border="1"><tr><td>Runs scored</td><td>0-20</td><td>20-40</td><td>40-60</td><td>60-80</td><td>80-100</td></tr><tr><td>Number of students</td><td>4</td><td>6</td><td>5</td><td>3</td><td>4</td></tr></table>	Runs scored	0-20	20-40	40-60	60-80	80-100	Number of students	4	6	5	3	4	2				
Runs scored	0-20	20-40	40-60	60-80	80-100													
Number of students	4	6	5	3	4													
4	Find the common difference of the AP 4,9,14,... If the first term changes to 6 and the common difference remains the same then write the new AP.	2																
5	The mode of the following frequency distribution is 38. Find the value of x. <table border="1"><tr><td>Class Interval</td><td>0-10</td><td>10-20</td><td>20-30</td><td>30-40</td><td>40-50</td><td>50-60</td><td>60-70</td></tr><tr><td>Frequency</td><td>7</td><td>9</td><td>12</td><td>16</td><td>x</td><td>6</td><td>11</td></tr></table>	Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70	Frequency	7	9	12	16	x	6	11	2
Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70											
Frequency	7	9	12	16	x	6	11											
6	XY and MN are the tangents drawn at the end points of the diameter DE of the circle with centre O. Prove that $XY \parallel MN$. 	2																

OR

In the given figure, a circle is inscribed in the quadrilateral ABCD. Given $AB=6\text{cm}$, $BC=7\text{cm}$ and $CD=4\text{cm}$. Find AD.

**Section-B**

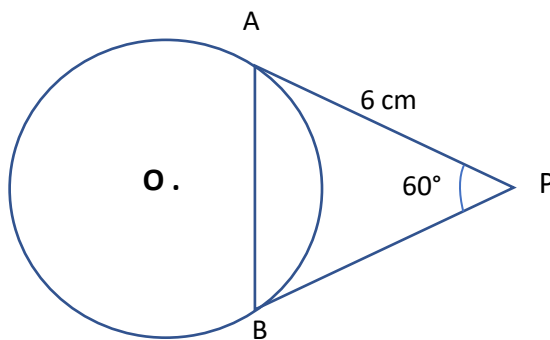
7 An AP 5, 8, 11...has 40 terms. Find the last term. Also find the sum of the last 10 terms. **3**

8 A tree is broken due to the storm in such a way that the top of the tree touches the ground and makes an angle of 30° with the ground. Length of the broken upper part of the tree is 8 meters. Find the height of the tree before it was broken. **3**

OR

Two poles of equal height are standing opposite each other on either side of the road 80m wide. From a point between them on the road the angles of elevation of the top of the two poles are respectively 60° and 30° . Find the distance of the point from the two poles.

9 PA and PB are the tangents drawn to a circle with centre O. If $PA=6\text{ cm}$ and $\angle APB=60^\circ$, then find the length of the chord AB. **3**



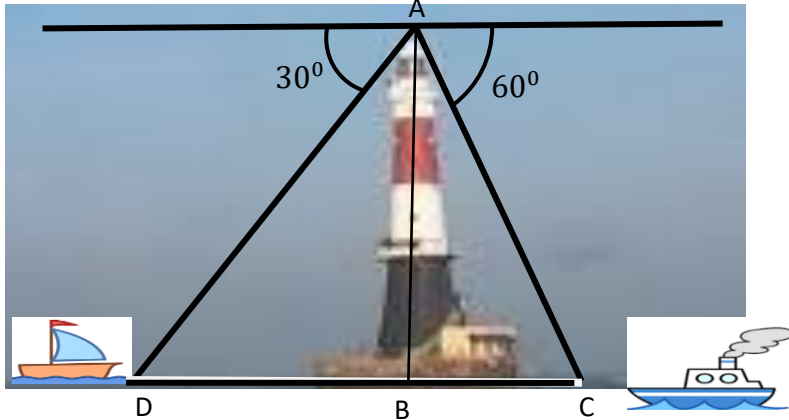
10 The sum of the squares of three positive numbers that are consecutive multiples of 5 is 725. Find the three numbers. **3**

Section-C

11 Construct two concentric circles of radii 3cm and 7cm. Draw two tangents to the smaller circle from a point P which lies on the bigger circle. **4**

OR

Draw a pair of tangents to a circle of radius 6cm which are inclined to each other at an angle of 60° . Also find the length of the tangent.

12	<p>The following age wise chart of 300 passengers flying from Delhi to Pune is prepared by the Airlines staff.</p> <table><tr><td>Age</td><td>Less than 10</td><td>Less than 20</td><td>Less than 30</td><td>Less than 40</td><td>Less than 50</td><td>Less than 60</td><td>Less than 70</td><td>Less than 80</td></tr><tr><td>Number of passengers</td><td>14</td><td>44</td><td>82</td><td>134</td><td>184</td><td>245</td><td>287</td><td>300</td></tr></table> <p>Find the mean age of the passengers.</p>	Age	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50	Less than 60	Less than 70	Less than 80	Number of passengers	14	44	82	134	184	245	287	300	4
Age	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50	Less than 60	Less than 70	Less than 80												
Number of passengers	14	44	82	134	184	245	287	300												
13	<p>A lighthouse is a tall tower with light near the top. These are often built on islands, coasts or on cliffs. Lighthouses on water surface act as a navigational aid to the mariners and send warning to boats and ships for dangers. Initially wood, coal would be used as illuminators. Gradually it was replaced by candles, lanterns, electric lights. Nowadays they are run by machines and remote monitoring.</p> <p>Prongs Reef lighthouse of Mumbai was constructed in 1874-75. It is approximately 40 meters high and its beam can be seen at a distance of 30 kilometres. A ship and a boat are coming towards the lighthouse from opposite directions. Angles of depression of flash light from the lighthouse to the boat and the ship are 30° and 60° respectively.</p> <div></div> <p>i) Which of the two, boat or the ship is nearer to the light house. Find its distance from the lighthouse?</p> <p>ii) Find the time taken by the boat to reach the light house if it is moving at the rate of 20 km per hour.</p>	<p>2</p> <p>2</p>																		
14	<p>Krishnanagar is a small town in Nadia District of West Bengal. Krishnanagar clay dolls are unique in their realism and quality of their finish. They are created by modelling coils of clay over a metal frame. The figures are painted in natural colours and their hair is made either by sheep's wool or jute. Artisans make models starting from fruits, animals, God, goddess, farmer, fisherman, weavers to Donald Duck and present comic characters. These creations are displayed in different national and international museums.</p>																			

Here are a few images (not to scale) of some clay dolls of Krishnanagar.



Doll-1



Doll-2



Doll-3



Doll-4

The ratio of diameters of red spherical apples in Doll-1 to that of spherical oranges in Doll-2 is 2:3. In Doll-3, male doll of blue colour has cylindrical body and a spherical head. The spherical head touches the cylindrical body. The radius of both the spherical head and the cylindrical body is 3cm and the height of the cylindrical body is 8cm. Based on the above information answer the following questions:

- i) What is the ratio of the surface areas of red spherical apples in Doll-1 to that of spherical oranges in Doll-2.?
- ii) The blue doll of Doll-3 is melted and its clay is used to make the cylindrical drum of Doll-4. If the radius of the drum is also 3cm, find the height of the drum.

2

2

Sample Question Paper
Mathematics- Standard (041)
Class- X, Session: 2021-22
TERM II

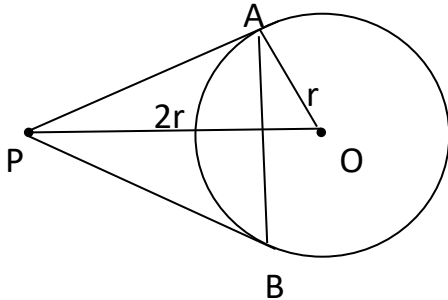
Time Allowed: 2 hours

Maximum Marks: 40

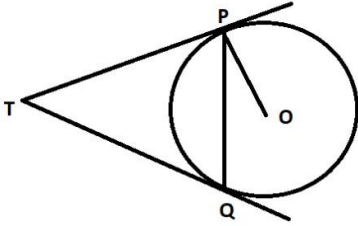


General Instructions:

1. The question paper consists of 14 questions divided into 3 sections A, B, C.
2. All questions are compulsory.
3. Section A comprises of 6 questions of 2 marks each. Internal choice has been provided in two questions.
4. Section B comprises of 4 questions of 3 marks each. Internal choice has been provided in one question.
5. Section C comprises of 4 questions of 4 marks each. An internal choice has been provided in one question. It contains two case study based questions.

Section A

Q No		Marks						
1	<p>Find the value of $a_{25} - a_{15}$ for the AP: 6, 9, 12, 15,</p> <p style="text-align: center;">OR</p> <p>If 7 times the seventh term of the AP is equal to 5 times the fifth term, then find the value of its 12th term.</p>	2						
2	Find the value of m so that the quadratic equation $mx(5x - 6) = 0$ has two equal roots.	2						
3	<p>From a point P, two tangents PA and PB are drawn to a circle C(0, r). If $OP = 2r$, then find $\angle APB$. What type of triangle is APB?</p> 	2						
4	The curved surface area of a right circular cone is 12320 cm^2 . If the radius of its base is 56cm, then find its height.	2						
5	<p>Mrs. Garg recorded the marks obtained by her students in the following table. She calculated the modal marks of the students of the class as 45. While printing the data, a blank was left. Find the missing frequency in the table given below</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Marks Obtained</td><td>0 - 20</td><td>20 - 40</td><td>40 - 60</td><td>60 - 80</td><td>80 - 100</td></tr> </table>	Marks Obtained	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100	2
Marks Obtained	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100			

		Number of Students	5	10	---	6	3														
6	If Ritu were younger by 5 years than what she really is, then the square of her age would have been 11 more than five times her present age. What is her present age? <div>OR</div> Solve for x: $9x^2 - 6px + (p^2 - q^2) = 0$								2												
	Section-B																				
7	Following is the distribution of the long jump competition in which 250 students participated. Find the median distance jumped by the students. Interpret the median <table><tr><td>Distance (in m)</td><td>0 - 1</td><td>1 - 2</td><td>2 - 3</td><td>3 - 4</td><td>4 - 5</td></tr><tr><td>Number of Students</td><td>40</td><td>80</td><td>62</td><td>38</td><td>30</td></tr></table>								Distance (in m)	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	Number of Students	40	80	62	38	30	3
Distance (in m)	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5																
Number of Students	40	80	62	38	30																
8	Construct a pair of tangents to a circle of radius 4cm, which are inclined to each other at an angle of 60° .								3												
9	The distribution given below shows the runs scored by batsmen in one-day cricket matches. Find the mean number of runs. <table><tr><td>Runs scored</td><td>0 - 40</td><td>40 - 80</td><td>80 - 120</td><td>120 - 160</td><td>160 - 200</td></tr><tr><td>Number of batsmen</td><td>12</td><td>20</td><td>35</td><td>30</td><td>23</td></tr></table>								Runs scored	0 - 40	40 - 80	80 - 120	120 - 160	160 - 200	Number of batsmen	12	20	35	30	23	3
Runs scored	0 - 40	40 - 80	80 - 120	120 - 160	160 - 200																
Number of batsmen	12	20	35	30	23																
10	Two vertical poles of different heights are standing 20m away from each other on the level ground. The angle of elevation of the top of the first pole from the foot of the second pole is 60° and angle of elevation of the top of the second pole from the foot of the first pole is 30° . Find the difference between the heights of two poles. (Take $\sqrt{3} = 1.73$) <div>OR</div> A boy 1.7 m tall is standing on a horizontal ground, 50 m away from a building. The angle of elevation of the top of the building from his eye is 60° . Calculate the height of the building. (Take $\sqrt{3} = 1.73$)								3												
	Section-C																				
11	The internal and external radii of a spherical shell are 3cm and 5cm respectively. It is melted and recast into a solid cylinder of diameter 14cm, find the height of the cylinder. Also find the total surface area of the cylinder. (Take $\pi = \frac{22}{7}$)								4												

12	<p>Prove that the angle between the two tangents drawn from an external point to a circle is supplementary to the angle subtended by the line segment joining the points of contact to the centre.</p> <p style="text-align: center;">OR</p> <p>Two tangents TP and TQ are drawn to a circle with centre O from an external point T. Prove that $\angle PTQ = 2\angle OPQ$</p> 	4
13	<p style="text-align: center;"><u>Case Study-1</u></p> <p>Trigonometry in the form of triangulation forms the basis of navigation, whether it is by land, sea or air. GPS a radio navigation system helps to locate our position on earth with the help of satellites.</p> <p>A guard, stationed at the top of a 240m tower, observed an unidentified boat coming towards it. A clinometer or inclinometer is an instrument used for measuring angles or slopes(tilt). The guard used the clinometer to measure the angle of depression of the boat coming towards the lighthouse and found it to be 30°.</p>  <p>(Lighthouse of Mumbai Harbour. Picture credits - Times of India Travel)</p> <ol style="list-style-type: none"> Make a labelled figure on the basis of the given information and calculate the distance of the boat from the foot of the observation tower. After 10 minutes, the guard observed that the boat was approaching the tower and its distance from tower is reduced by $240(\sqrt{3} - 1)$ m. He immediately raised the alarm. What was the new angle of depression of the boat from the top of the observation tower? 	<p style="text-align: center;">2</p> <p style="text-align: center;">2</p>
14	<p style="text-align: center;"><u>Case Study-2</u></p> <p>Push-ups are a fast and effective exercise for building strength. These are helpful in almost all sports including athletics. While the push-up primarily targets the muscles of the chest, arms, and shoulders, support required from other muscles helps in toning up the whole body.</p> 	

	<p>Nitesh wants to participate in the push-up challenge. He can currently make 3000 push-ups in one hour. But he wants to achieve a target of 3900 push-ups in 1 hour for which he practices regularly. With each day of practice, he is able to make 5 more push-ups in one hour as compared to the previous day. If on first day of practice he makes 3000 push-ups and continues to practice regularly till his target is achieved. Keeping the above situation in mind answer the following questions:</p> <p>i) Form an A.P representing the number of push-ups per day and hence find the minimum number of days he needs to practice before the day his goal is accomplished?</p> <p>ii) Find the total number of push-ups performed by Nitesh up to the day his goal is achieved.</p>	<p>2</p> <p>2</p>
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