DEFENCE DREAMS

NDA PRACTICE SET

100 Multiple Choice Questions • Mathematics, General Ability & Current Affairs

“Discipline is the bridge between goals and achievement.”
“Small daily improvements lead to remarkable results.”
“Your uniform begins with the effort you put in today.”

Total Questions	Suggested Time	Format
100	**120 minutes**	**4 options • 1 correct answer**

Instructions

1. Choose the most appropriate answer from options A, B, C and D.
2. Each question carries equal weight. Attempt all questions before checking the answer key.
3. This is an original practice resource prepared for revision; it is not an official UPSC question paper.

Subject-wise distribution

Subject	Questions
Mathematics	13
Physics	13
Chemistry	13
Biology	13
History	12
Geography	12
Polity	12
Current Affairs	12

MATHEMATICS

Q1. If the roots of $x^2 - 5x + 6 = 0$ are α and β, what is $\alpha^2 + \beta^2$?

A. 13
B. 17
C. 19
D. 25

Q2. The value of sin 30° + cos 60° is:

A. 0
B. 1/2
C. 1
D. √3/2

Q3. A train 150 m long crosses a pole in 10 seconds. Its speed is:

A. 36 km/h
B. 45 km/h
C. 54 km/h
D. 60 km/h

Q4. The sum of the first 20 natural numbers is:

A. 190
B. 200
C. 210
D. 220

Q5. If $\log_{10} 1000 = x$, then x equals:

A. 2
B. 3
C. 10
D. 100

Q6. The distance between (2, 3) and (5, 7) is:

A. 4
B. 5
C. 6
D. 7

Q7. The derivative of $x^3 - 4x$ is:

A. $3x^2 - 4$
B. $x^2 - 4$
C. $3x - 4$
D. $3x^2 + 4$

Q8. The probability of getting an even number on a fair die is:

A. 1/6
B. 1/3
C. 1/2
D. 2/3

Q9. The area of a circle of radius 7 cm (π = 22/7) is:

A. 44 cm²
B. 88 cm²
C. 154 cm²
D. 308 cm²

Q10. If tan θ = 3/4 for an acute angle, then sec θ is:

A. 4/5
B. 5/4
C. 3/5
D. 5/3

Q11. The solution of 2x + 7 = 19 is:

A. 5
B. 6
C. 7
D. 8

Q12. The determinant of [[2, 1], [3, 4]] is:

A. 5
B. 8
C. 11
D. 14

Q13. The arithmetic mean of 4, 8, 10 and 18 is:

A. 8
B. 9
C. 10
D. 12

PHYSICS

Q14. The SI unit of electric charge is:

A. Ampere
B. Coulomb
C. Volt
D. Ohm

Q15. A body moving with uniform velocity has:

A. Zero acceleration
B. Constant positive acceleration
C. Increasing acceleration
D. Infinite acceleration

Q16. Which mirror is used as a rear-view mirror in vehicles?

A. Plane
B. Concave
C. Convex
D. Cylindrical

Q17. The approximate value of acceleration due to gravity near Earth's surface is:

A. 4.9 m/s²
B. 8.9 m/s²
C. 9.8 m/s²
D. 98 m/s²

Q18. Which of the following is a scalar quantity?

A. Force
B. Velocity
C. Displacement
D. Speed

Q19. The device used to measure electric current is:

A. Voltmeter
B. Ammeter
C. Barometer
D. Thermometer

Q20. Sound cannot travel through:

A. Water
B. Steel
C. Air
D. Vacuum

Q21. The focal length of a plane mirror is:

A. Zero
B. One metre
C. Infinite
D. −1 metre

Q22. The energy possessed by a body due to its motion is:

A. Potential energy
B. Kinetic energy
C. Chemical energy
D. Nuclear energy

Q23. Which law explains the recoil of a gun?

A. Newton's first law
B. Newton's second law
C. Newton's third law
D. Law of gravitation

Q24. The SI unit of power is:

A. Joule
B. Newton
C. Watt
D. Pascal

Q25. The phenomenon responsible for the blue colour of the sky is:

A. Reflection
B. Refraction
C. Scattering
D. Dispersion

Q26. A transformer works on the principle of:

A. Electrolysis
B. Electromagnetic induction
C. Photoelectric effect
D. Heating effect

CHEMISTRY

Q27. The atomic number of an element is equal to the number of:

A. Neutrons
B. Protons
C. Nucleons
D. Protons + neutrons

Q28. The pH of a neutral solution at 25°C is:

A. 0
B. 5
C. 7
D. 14

Q29. Which gas is commonly known as laughing gas?

A. Nitrous oxide
B. Carbon monoxide
C. Sulphur dioxide
D. Nitrogen dioxide

Q30. The chemical formula of washing soda is:

A. $NaHCO_3$
B. $Na_2CO_3 \cdot 10H_2O$
C. $CaCO_3$
D. NaCl

Q31. Which of the following is a noble gas?

A. Chlorine
B. Oxygen
C. Argon
D. Hydrogen

Q32. Rusting of iron mainly requires:

A. Nitrogen and sunlight
B. Oxygen and moisture
C. Carbon dioxide only
D. Hydrogen only

Q33. The hardest naturally occurring substance is:

A. Graphite
B. Quartz
C. Diamond
D. Sulphur

Q34. Which acid is present in lemon?

A. Acetic acid
B. Citric acid
C. Lactic acid
D. Formic acid

Q35. The process of converting a liquid into vapour at its surface is:

A. Condensation
B. Sublimation
C. Evaporation
D. Freezing

Q36. Which metal is liquid at ordinary room temperature?

A. Sodium
B. Mercury
C. Aluminium
D. Copper

Q37. The main constituent of natural gas is:

A. Ethane
B. Methane
C. Butane
D. Propane

Q38. A covalent bond is formed by:

A. Transfer of electrons
B. Sharing of electrons
C. Transfer of protons
D. Sharing of neutrons

Q39. Which gas turns limewater milky?

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

BIOLOGY

Q40. The basic structural and functional unit of life is:

A. Tissue
B. Organ
C. Cell
D. Nucleus

Q41. Which organelle is called the powerhouse of the cell?

A. Ribosome
B. Mitochondrion
C. Lysosome
D. Golgi body

Q42. The green pigment essential for photosynthesis is:

A. Haemoglobin
B. Melanin
C. Chlorophyll
D. Keratin

Q43. Which blood group is commonly called the universal red-cell donor (for emergency use, considering ABO and Rh)?

A. AB positive
B. O negative
C. A positive
D. B negative

Q44. Insulin is secreted by the:

A. Thyroid
B. Pancreas
C. Adrenal gland
D. Pituitary

Q45. The largest part of the human brain is:

A. Cerebellum
B. Medulla
C. Cerebrum
D. Pons

Q46. Which vitamin is synthesised in the skin in the presence of sunlight?

A. Vitamin A
B. Vitamin B_{12}
C. Vitamin C
D. Vitamin D

Q47. The site of gaseous exchange in human lungs is the:

A. Bronchi
B. Trachea
C. Alveoli
D. Larynx

Q48. Which part of a plant absorbs most water from the soil?

A. Stem
B. Root hairs
C. Leaves
D. Flowers

Q49. Malaria is caused by:

A. Bacteria
B. Virus
C. Plasmodium
D. Fungus

Q50. The number of chromosomes in a normal human body cell is:

A. 23
B. 44
C. 46
D. 48

Q51. Which blood component helps in clotting?

A. Red blood cells
B. White blood cells
C. Platelets
D. Plasma only

Q52. The process by which plants lose water vapour mainly through leaves is:

A. Respiration
B. Transpiration
C. Translocation
D. Germination

HISTORY

Q53. Who founded the Maurya Empire?

A. Ashoka
B. Bindusara
C. Chandragupta Maurya
D. Bimbisara

Q54. The Kalinga War was fought during the reign of:

A. Chandragupta Maurya
B. Ashoka
C. Samudragupta
D. Harsha

Q55. Who was the first Governor-General of independent India?

A. Lord Mountbatten
B. C. Rajagopalachari
C. Warren Hastings
D. Lord Wavell

Q56. The Non-Cooperation Movement was launched in:

A. 1919
B. 1920
C. 1922
D. 1930

Q57. Who gave the slogan 'Swaraj is my birthright and I shall have it'?

A. Mahatma Gandhi
B. Bal Gangadhar Tilak
C. Subhas Chandra Bose
D. Lala Lajpat Rai

Q58. The Battle of Plassey was fought in:

A. 1757
B. 1764
C. 1773
D. 1857

Q59. The founder of the Mughal Empire in India was:

A. Akbar
B. Humayun
C. Babur
D. Sher Shah Suri

Q60. The Dandi March was associated with the:

A. Khilafat Movement
B. Salt Satyagraha
C. Quit India Movement
D. Swadeshi Movement

Q61. Who was the chief architect of the Indian Constitution's Drafting Committee?

A. Jawaharlal Nehru
B. B. R. Ambedkar
C. Rajendra Prasad
D. Sardar Patel

Q62. The Quit India Movement began in:

A. 1935
B. 1940
C. 1942
D. 1946

Q63. The Harappan site famous for its dockyard is:

A. Harappa
B. Mohenjo-daro
C. Lothal
D. Kalibangan

Q64. The Permanent Settlement was introduced by:

A. Lord Cornwallis
B. Lord Dalhousie
C. Lord Curzon
D. Lord Ripon

GEOGRAPHY

Q65. Which is the longest river in India by length within the country?

A. Godavari
B. Ganga
C. Narmada
D. Krishna

Q66. The Tropic of Cancer passes through how many Indian states?

A. 6
B. 7
C. 8
D. 9

Q67. Which layer of the atmosphere contains most weather phenomena?

A. Stratosphere
B. Mesosphere
C. Troposphere
D. Thermosphere

Q68. The largest plateau in India is the:

A. Chota Nagpur Plateau
B. Deccan Plateau
C. Malwa Plateau
D. Meghalaya Plateau

Q69. Which soil is most suitable for cotton cultivation?

A. Laterite
B. Alluvial
C. Black
D. Mountain

Q70. The Sunderbans delta is formed mainly by the rivers:

A. Indus and Jhelum
B. Ganga and Brahmaputra
C. Godavari and Krishna
D. Narmada and Tapi

Q71. Which Indian state has the longest coastline?

A. Tamil Nadu
B. Andhra Pradesh
C. Gujarat
D. Maharashtra

Q72. The Western Ghats and Eastern Ghats meet at the:

A. Aravalli Hills
B. Nilgiri Hills
C. Vindhya Range
D. Satpura Range

Q73. Which is the highest peak located entirely within India?

A. Nanda Devi
B. K2
C. Kangchenjunga
D. Anamudi

Q74. The Coriolis force is caused by the:

A. Revolution of Earth
B. Rotation of Earth
C. Unequal heating only
D. Moon's gravity

Q75. Which type of rainfall is commonly associated with the Western Ghats during the southwest monsoon?

A. Convectional
B. Cyclonic
C. Orographic
D. Frontal

Q76. The Ten Degree Channel separates:

A. Lakshadweep and Maldives
B. Andaman and Nicobar groups
C. India and Sri Lanka
D. Minicoy and Maldives

POLITY

Q77. The Constitution of India was adopted by the Constituent Assembly on:

A. 15 August 1947
B. 26 November 1949
C. 26 January 1950
D. 2 October 1950

Q78. Fundamental Rights are contained in which part of the Constitution?

A. Part II
B. Part III
C. Part IV
D. Part IVA

Q79. Who is the constitutional head of the Union Executive?

A. Prime Minister
B. President
C. Chief Justice of India
D. Speaker of Lok Sabha

Q80. A Money Bill can be introduced only in the:

A. Rajya Sabha
B. Lok Sabha
C. Either House
D. State Legislative Council

Q81. The minimum age to become a member of the Lok Sabha is:

A. 21 years
B. 25 years
C. 30 years
D. 35 years

Q82. Which Article deals with the abolition of untouchability?

A. Article 14
B. Article 17
C. Article 19
D. Article 21

Q83. The Directive Principles of State Policy are inspired mainly by the Constitution of:

A. USA
B. Ireland
C. Canada
D. Australia

Q84. Who appoints the Governor of an Indian state?

A. Chief Minister
B. President of India
C. Prime Minister
D. Chief Justice of the High Court

Q85. The term of the Rajya Sabha member is:

A. 4 years
B. 5 years
C. 6 years
D. 7 years

Q86. Which body conducts elections to Parliament and State Legislatures?

A. UPSC
B. Finance Commission
C. Election Commission of India
D. NITI Aayog

Q87. The 73rd Constitutional Amendment is related to:

A. Municipalities
B. Panchayati Raj
C. Fundamental Duties
D. GST

Q88. Who presides over a joint sitting of the two Houses of Parliament?

A. President
B. Vice-President
C. Speaker of Lok Sabha
D. Prime Minister

CURRENT AFFAIRS

Current Affairs focus: selected Government of India / PIB developments reported during 2026, especially October 2026.

Q89. INS Samarthak, commissioned in October 2026, is described by the Indian Navy as its first indigenous:

A. Aircraft carrier
B. Multi-purpose vessel
C. Nuclear submarine
D. Survey aircraft

Q90. The 12th BRICS Parliamentary Forum (October 2026) was held in:

A. Mumbai
B. New Delhi
C. Bengaluru
D. Hyderabad

Q91. India hosted the first BIMSTEC Home Ministers' Meeting in October 2026 in:

A. Chennai
B. Kolkata
C. New Delhi
D. Guwahati

Q92. The 33rd edition of the Singapore-India maritime bilateral exercise is known as:

A. VARUNA
B. SIMBEX
C. AUSINDEX
D. MILAN

Q93. The fifth edition of the India-Australia joint military exercise AUSTRAHIND commenced in October 2026 at:

A. Thiruvananthapuram
B. Pune
C. Jaisalmer
D. Port Blair

Q94. In October 2026, the Defence Acquisition Council cleared capital acquisition proposals worth approximately:

A. ₹21,000 crore
B. ₹52,000 crore
C. ₹1.12 lakh crore
D. ₹2.12 lakh crore

Q95. India hosted the 61st meeting of the International Committee of Legal Metrology in October 2026 in:

A. New Delhi
B. Jaipur
C. Ahmedabad
D. Lucknow

Q96. The Padma Awards 2026 list announced by the Government of India comprised how many awards, including duo cases counted as one?

A. 101
B. 121
C. 131
D. 151

Q97. The 57th GST Council meeting took place in which month of 2026, according to the October 2026 PIB release?

A. June
B. August
C. October
D. December

Q98. The Khelo India Sports Goods Manufacturing Scheme was approved to promote:

A. Sports tourism only
B. A globally competitive sports goods manufacturing ecosystem
C. Professional leagues only
D. School uniforms

Q99. The Pradhan Mantri Viksit Gram Swaraj Yojana was approved for which period?

A. 2024–25 to 2026–27
B. 2025–26 to 2028–29
C. 2026–27 to 2030–31
D. 2027–28 to 2032–33

Q100. The 2026 Padma Awards are announced on the occasion of:

A. Independence Day
B. Republic Day
C. Gandhi Jayanti
D. Constitution Day

ANSWER KEY

Check your responses only after completing the full practice set.

1. B	2. C	3. C	4. C	5. B	6. B	7. A	8. C	9. C	10. B
11. B	12. A	13. B	14. B	15. A	16. C	17. C	18. D	19. B	20. D
21. C	22. B	23. C	24. C	25. C	26. B	27. B	28. C	29. A	30. B
31. C	32. B	33. C	34. B	35. C	36. B	37. B	38. B	39. C	40. C
41. B	42. C	43. B	44. B	45. C	46. D	47. C	48. B	49. C	50. C
51. C	52. B	53. C	54. B	55. A	56. B	57. B	58. A	59. C	60. B
61. B	62. C	63. C	64. A	65. B	66. C	67. C	68. B	69. C	70. B
71. C	72. B	73. A	74. B	75. C	76. B	77. B	78. B	79. B	80. B
81. B	82. B	83. B	84. B	85. C	86. C	87. B	88. C	89. B	90. B
91. C	92. B	93. A	94. D	95. A	96. C	97. C	98. B	99. C	100. B

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