



RRB Group D 2018 Memory Based Question Paper

Q1. Directions: Study the following table and answer the questions based on it.

Scholars Going To Foreign Universities for PHD from Different States

State	1998	1999	2000	2001	2002
West Bengal	580	340	450	900	760
Delhi	460	500	720	1200	1360
Maharashtra	670	750	430	940	860
Tamil Nadu	200	600	340	220	500
Kerala	128	450	876	298	567

Calculate the Average number of scholars going abroad in 2001 from different states?

- a) 612.4 b) 3558
c) 867.9 d) 711.6

Q2. On Selling a watch at $\frac{4}{5}$ of the marked price there is loss of 4%. What will be the ratio of the marked price and cost price of the watch?-

- a) 6:5 b) 5:3
c) 10:7 d) 7:5

Q3. What is the value of $\sqrt{12544}$?

- a) 112 b) 118
c) 102 d) 128

Q4. $\frac{60}{75} = \frac{4}{x}$, find the value of x?

- a) 2 b) 6

- c) 4 d) 5

Q5. What is the value of x?

Where, $x = 45\%$ of 2400.

- a) 1190 b) 1050
c) 1180 d) 1080

Q6. What will be the compound interest on a sum of Rs. 1,60,000 after 2 years at the rate of 10% compounded semi-annually?

- a) Rs. 34451 b) Rs. 33491
c) Rs. 34481 d) None of these

Q7. $a : b = 2 : 3$ and $b : c = 4 : 7$. Find $a : b : c$.

- a) 4 : 3 : 7 b) 2 : 4 : 7
c) 8 : 12 : 21 d) None of these

Q8. If $a = -7$, $b = 5$ and $c = 2$, then find the value of $a^3 + b^3 + c^3$.

- a) -210 b) -180
c) 180 d) 210

Q9. Which of the following is the perfect cube?

- a) 8000 b) 9000
c) 9999 d) 9361

Q10. 3, is what % of 81?

- a) $(\frac{100}{9})$ b) $(\frac{100}{3})$
c) $(\frac{100}{27})$ d) None of these





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Q11. In the following question, select the odd number pair from the given alternatives.

- a) 47 - 74 b) 49 - 96
c) 63 - 36 d) 97 - 79

Q12. Side of equilateral triangle = 8 cm. What is ratio of area of triangle to perimeter?

- a) $2 : 3\sqrt{3}$ b) $2\sqrt{3} : 1$
c) $2 : \sqrt{3}$ d) None of these

Q13. In what time will a train cross the platform if the length of the train is 80 m, the length of the platform is 220 m, and speed of the train is 54 kmph?

- a) 15 sec b) 30 sec
c) 20 sec d) 25 sec

Q14. What is the HCF of 108 and 27?

- a) 3 b) 9
c) 27 d) 2

Q15. What is the L.C.M of 40 and 180?

- a) 72 b) 180
c) 360 d) None of these

Q16. What least number should be added to 2800 such that it turns into a perfect square?

- a) 8 b) 9
c) 3 d) 4

Q17. $\{(2^4)^{1/2}\}^n = 256$, what is the value of n?

- a) 8 b) 4
c) 10 d) None of these

Q18. X44621 is exactly divisible by 11, then what is the value of X?

- a) 6 b) 3
c) 4 d) 5

Q19. What is the value of $\sqrt{1764}$?

- a) 38 b) 48
c) 42 d) 52

Q20. $\triangle DEF$ is right angled at E. If $\angle D = 60^\circ$, then find the value of $(\cot F + 1/\sqrt{3})$.

- a) $3\sqrt{3}/2$ b) $4/\sqrt{3}$
c) $(2 + 2\sqrt{3})/\sqrt{3}$ d) $7/2\sqrt{3}$

Q21. The simple interest on a sum is $3/5$ of the principal at the rate of 7.5% per annum. What is the time period (in years)?

- a) 7.5 b) 8
c) 10 d) 12.5

Q22. If $\sec^4 X - \sec^2 X = 3$ then what is the value of $\tan^4 X + \tan^2 X = ?$

- a) 9 b) 3
c) 6 d) 27

Q23. A shopkeeper bought an article for Rs. 720 and sold it at Rs. 828, then what will be the profit percentage?

- a) 25% b) 15%
c) 35% d) 12%

Q24. A alone can complete a work in 22 days while B can complete the same work in 33 days. They worked together for 3 days and then A left. In how many



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days the remaining work will be completed?

- a) 25.5 b) 25
c) 27 d) 30

Q25. What is the HCF of two co-prime numbers?

- a) 1 b) 0
c) 2 d) None of these

Q26. Arrange the given words in the sequence in which they occur in the dictionary:-
Ratio, Raise, Rapid, Robin, Royal

- a) 2,3,1,4,5 b) 3,2,5,4,1
c) 2,1,4,3,5 d) 2,5,4,3,1

Q27. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



- a) b)
c) d)

Q28. In the following question, select the related number from the given alternatives.

- 2 : 9 :: 3 : ?
a) 27 b) 28
c) 29 d) 30

Q29. In the following question a statement is given followed by two conclusions. Which of the conclusions follow?

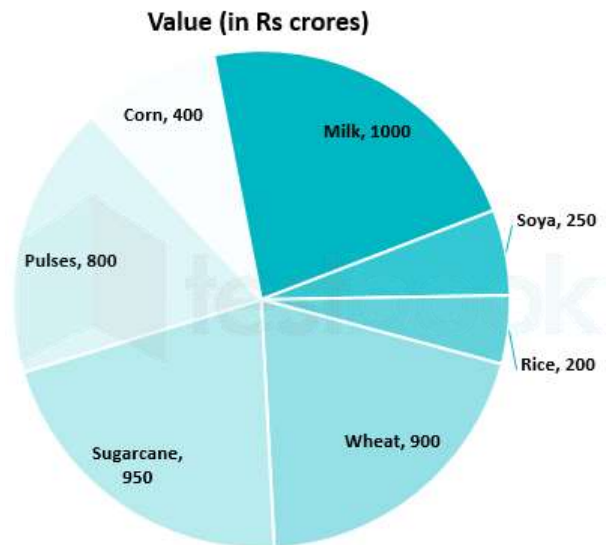
Statement: Each good dancer is awarded a medal.

Conclusions:

- I. Kamla should be awarded a medal.
II. Kamla should not be awarded a medal because she is not a good dancer.

- a) Only conclusion I follows
b) Only conclusion II follows
c) Neither I nor II follows
d) Both I and II follow

Q 30-31:





Q30. The value of annual production of which agricultural item is the most?

- a) Sugarcane b) Pulses
- c) Wheat d) Milk

Q31. What is the total value (in Rs crores) of the annual agricultural production of the country?

- a) 4000 b) 5000
- c) 5500 d) 4500

Q 32. In the following question, select the odd word from the given alternatives.

- a) Tabla b) Sarod
- c) Sitar d) Tanpura

Q33. Find out the odd word from the given alternatives.

- a) Herb b) Shrub
- c) Tree d) Root

Q34. In a special coding language, if the word "FATHER" is coded as "FBTIES", then how can "SISTER" be coded?

- a) SJSUES b) SKSVET
- c) SHSSEQ d) TJTUFS

Q35. In the following question, select the related number from the given alternatives.

100 : 121 :: 36 : ?

- a) 64 b) 49
- c) 25 d) 16

Q36. In the following question, select the related letters from the given alternatives:

BYE : DAG :: GDJ : ?

- a) ILF b) EBH
- c) IFL d) EHB

Q37. In the following question, select the related word from the given alternatives:

Bullock : Cart :: Horse : ?

- a) Plough b) Ride
- c) Raced) Tonga

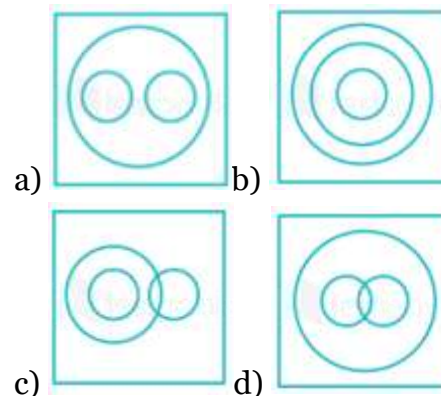
Q38. In the following question, select the related number from the given alternatives.

158 : 196 :: 235 : ?

- a) 112 b) 175
- c) 100 d) 120

Q39. Identify the diagram that best represents the relationship among the given classes.

Bird, Parrot, Pigeon



Q40. 5 books of History, Mathematics, English, Hindi and Science are kept on



top of each other. English is kept between History and Mathematics. Hindi and Science are kept together. Science is kept just above Mathematics. Which book is kept in the middle?

- a) Mathematics
- b) English
- c) Science
- d) Mathematics or English

Q41. X and Y are brothers. Z is the father of X, who is the father of A. How is Z related to A?

- a) Mother
- b) Grandfather
- c) Grandmother
- d) Nothing can be said

Q42. Which one of the given responses would be a meaningful order of the following?

Eating, Cooking, Cutting, Serving.

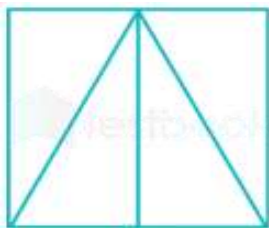
- a) 1, 4, 3, 2
- b) 1, 4, 2, 3
- c) 2, 3, 4, 1
- d) 3, 2, 4, 1

Q43. Select the related word from the given alternatives.

Teeth : Pyorrhoea :: Eye :

- a) Myopiab) Hypermetropia
- c) Cataract
- d) Any one of the above

Q44. How many triangles are there in the given figure?



- a) 5
- b) 4
- c) 6
- d) 7

Q45. In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

All B are C.

Some A are B

Conclusions:

I. Some A are C.

II. No C is A.

- a) Only I follows
- b) Only II follows
- c) Either I or II follows
- d) Neither I or II follows

Q46. In the question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically followed beyond a reasonable doubt from the information given in the statement.

Statements:

If you are a good writer, then our company has a lot of jobs available for you.

Conclusions:



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- I. You are a good writer.
II. We are in need of good writer.
- a) Only I follows
b) Only II follows
c) Both I and II follows
d) Neither I or II follows

Q47. In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

All plates are pens.

Some pens are pencils.

Conclusions:

- I. All plates are pencils.
II. No plate is pencil.
III. Some pencils are pens.
- a) Only I follows
b) Only II follows
c) Only III follows
d) Both II and III follow

Q48. 21st January 1988 was

- a) Monday b) Thursday
c) Friday d) Saturday

Q49. In the following question, select the odd number pair from the given alternatives.

- a) 225 - 15 b) 256 - 16
c) 729 - 9 d) 529 - 23

Q50. In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

Some A are B.

All B are C.

Conclusions:

- I. All A being C is possible.
II. No C is A.
- a) Only I follows
b) Only II follows
c) Both I and II follows
d) Neither I or II follows

Q51. Kamal remembers his birthday is before 24th April. His mother remembers that his birthday is after 22nd April. On which date of April, is Kamal's birthday?

- a) 25 b) 24
c) 22 d) 23

Q52. Sohan walks 30 km towards South and then turns left and walks 50 km. After that he walks 10 km north then he takes a left and walks 50 km more, how far Sohan is from his starting point?

- a) 5 km b) 10 Km
c) 20 Km d) 25 Km

Q53. A walks 3 km towards the East, then he turns towards the south for 4



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km and finally turns left and walks another 4 km. How far is A from the starting point?

- a) 10 Km b) $\sqrt{65}$ Km
c) 6 Km d) 5 Km

Q54. In the following question, select the missing number from the given series.

20, 23, 43, 66, 109, ?

- a) 180 b) 172
c) 175 d) 158

Q55. In the following question, select the missing number from the given series.

113, 128, 143, 158, ?, 18

- a) 175 b) 174
c) 173 d) 182

Q56. Which tissue is responsible for flexibility in plants?

- a) Collenchyma b) Sclerenchyma
c) Parenchyma d) Corenchyma

Q57. What is the function of a Transformer??

- a) To insulate coils and provide free passage
b) To increase or decrease the voltage
c) To arrest flow of moisture of outside air
d) None of the above

Q58. Which acid is known as the 'King of Chemicals'??

- a) H_2SO_4 b) HCL

c) HNO_3 d) H_3PO_4

Q59. Which element in the RBC makes the blood red in color?

- a) Carbon Dioxide b) Oxygen
c) Hemoglobin d) Lymphocytes

Q60. In which of the following processes, oxygen is released into air?

- a) Annealing b) Respiration
c) Burning d) Photosynthesis

Q61. Which is the heaviest planet in our solar system?

- a) Uranus b) Neptune
c) Saturn d) Jupiter

Q62. pH of the human blood is _____.

- a) Slightly Acidic b) Highly Acidic
c) Slightly Basic d) Highly Basic

Q63. Which instrument is used to measure relative density?

- a) Hygrometer b) Hydrometer
c) Barometer d) Fathometer

Q64. On which of the following conservation laws, does a rocket work?

- a) Law of conservation of mass
b) Law of conservation of energy
c) Law of conservation of linear momentum
d) Law of conservation of Angular momentum



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Q65. Chemical composition of heavy water is:

- a) D₂O
- b) HDO
- c) H₂O
- d) H₂O₂

Q66. Where is the location of heart in the human body?

- a) Right side of chest
- b) Immediately above stomach
- c) Left side of chest
- d) None of the above

Q67. Convex mirror is generally used in _____.

- a) Solar cookers
- b) Ophthalmoscope
- c) Reflector for headlight
- d) Rear view mirror

Q68. In which medium speed of the sound is fastest?

- a) Solid
- b) Liquid
- c) Gas
- d) None of the above

Q69. What is the chemical formula of 'chloroform'?

- a) C₂H₆O
- b) CHCl₃
- c) C₄H₁₀O
- d) C₁₂H₂₂O₁₁

Q70. Where is zygote formed in humans?

- a) Fallopian tube
- b) Liver
- c) Lung
- d) Uterus

Q71. What is the formula of Methyl Isocyanate which was leaked in Bhopal gas tragedy?

- a) CH₃NCO
- b) CH₃COOH
- c) C₄H₁₀O
- d) C₂H₂

Q72. What is the atomic no. of sulphur?

- a) 20
- b) 18
- c) 16
- d) 8

Q73. Among the following gases, which is the lightest gas in the periodic table?

- a) Oxygen
- b) Methane
- c) Nitrogen
- d) Hydrogen

Q74. What is the unit of Power?

- a) Ampere
- b) Volt
- c) Watt
- d) Kilowatt-hour

Q75. Which animal family does frog belong to?

- a) Orthoptera
- b) Anura
- c) Vertebrata
- d) None of the above

Q76. What is the ratio of masses of hydrogen and oxygen in the water?

- a) 1 : 4
- b) 1 : 8
- c) 1 : 16
- d) 1 : 64

Q77. Which is the largest internal organ in the human body?

- a) Esophagus
- b) Pancreas
- c) Liver
- d) Large intestine

Q78. The brain is mainly composed of which of the following?

- a) Neuron
- b) Muscle fibre
- c) Cytoplasm
- d) Chromatin

Q79. Who discovered television?

- a) Michael Faraday
- b) Joseph Henry



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c) Abbe Caselli d) John Baird

a) 5th March b) 7th March
c) 8th March d) 10th March

Q80. Who discovered cell in 1665?

a) Robert Hook b) Robert Crook
c) David Thomson d) Marie Francois

Q 86. According to updated World Bank figures for 2017, India has become the world's _____ biggest economy.

a) Nineth b) Tenth
c) Third d) Sixth

Q81. Who is the Minister of Youth Affairs and Sports in India?

a) Rajyavardhan Singh Rathore
b) Raj Nath Singh
c) Arun Jaitley
d) Anant Geete

Q87. Which city has been selected as 100th Smart City?

a) Panchkula b) Mysore
c) Jaipur d) Shillong

Q82. Who is the current Chief Minister of Tripura?

a) Sarbananda Sonowal
b) N. Biren Singh
c) Biplab Kumar Deb
d) Conrad Sangma

Q88. Sagarmala project is related to which of the following?

a) To check Sea theft
b) To modernize Indian Ports
c) To provide internet connection in Sea
d) All of the above.

Q83. When is the International Lefthanders Day observed?

a) September 6 b) February 28
c) August 13 d) December 15

Q89. Which of the following film won the award for Best Feature Film category in 65th National Film Awards?

a) Bhayanakam
b) Bahubali 2: The Conclusion
c) Dhappa
d) Village Rockstars

Q84. The Chief Minister of Orissa is _____.

a) Giridhar Gamang
b) Hemananda Biswal
c) Biju Patnaik
d) Naveen Patnaik

Q90. As per the Forbes' real-time billionaire's list published on November 1, 2017, _____ is Asia's richest person.

a) Mukesh Ambani b) HuiKa Yan
c) Sunil Mittal d) Cheng Wei

Q85. NITI Aayog will launch its Women Entrepreneurship Platform (WEP) on _____, on the occasion of the International Women's Day?



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Q91. Who has been appointed as the new Governor of Bihar?

- a) Jagdish Mukhi b) Mridula Sinha
c) Lalji Tandon d) Om Prakash Kohli

Q92. For which book did Olga Tokarczuk win the 2018 Man Booker International Prize?

- a) Like a Fading Shadow
b) The White Book
c) Frankenstein in Baghdad
d) Flights

Q93. Who played the role of Alauddin Khilji in the movie Padmavat?

- a) Ranbir Kapoor b) Ranveer Singh
c) Shahid Kapoor d) Salman Khan

Q94. Who won the 2017 Nobel Prize in Literature?

- a) Kazuo Ishiguro b) Svetlana Alexievich
c) Mo Yan d) Mario Vargas Llosa

Q95. Skill development initiative Himayat has been launched for which state?

- a) West Bengal b) Jammu and Kashmir
c) Bihar d) Haryana

Q96. Who was elected as the President of Pakistan on 4th September, 2018?

- a) Yahya Khan

- b) Arif Alvi
c) Mamnoon Hussain
d) Asif Ali Zardari

Q97. Which railway station has emerged as the cleanliest among the major stations in the country in A1 category stations for 2018?

- a) Chhatrapati Shivaji Terminus
b) Kanpur Central
c) Jodhpur
d) Vijayawada

Q98. When is the Human Rights day celebrated?

- a) December 9 b) December 11
c) December 8 d) December 10

Q99. What is the capital of Netherlands?

- a) Prague b) Amsterdam
c) Paris d) Brussels

Q100. Who is/are the brand ambassadors of American Tourister?

- a) Sachin Tendulkar and Sharne Warne
b) Arif Alvi Virat Kohli and Cristiano Ronaldo
c) P.V Sindhu and Sharne Warne
d) Shahrukh Khan and Deepika Padukone



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Answer Key:

Q1.	d	Q2.	a	Q3.	a	Q4.	d	Q5.	d
Q6.	c	Q7.	c	Q8.	a	Q9.	a	Q10.	c
Q11.	b	Q12.	c	Q13.	c	Q14.	c	Q15.	c
Q16.	b	Q17.	b	Q18.	d	Q19.	c	Q20.	b
Q21.	b	Q22.	b	Q23.	b	Q24.	a	Q25.	a
Q26.	a	Q27.	d	Q28.	b	Q29.	c	Q30.	d
Q31.	d	Q32.	a	Q33.	d	Q34.	a	Q35.	b
Q36.	c	Q37.	d	Q38.	c	Q39.	a	Q40.	a
Q41.	b	Q42.	d	Q43.	d	Q44.	a	Q45.	a
Q46.	b	Q47.	c	Q48.	b	Q49.	c	Q50.	a
Q51.	d	Q52.	c	Q53.	b	Q54.	c	Q55.	c
Q56.	a	Q57.	b	Q58.	a	Q59.	c	Q60.	d
Q61.	d	Q62.	c	Q63.	b	Q64.	c	Q65.	a
Q66.	c	Q67.	d	Q68.	a	Q69.	b	Q70.	b
Q71.	a	Q72.	c	Q73.	d	Q74.	c	Q75.	c
Q76.	b	Q77.	c	Q78.	a	Q79.	d	Q80.	a
Q81.	a	Q82.	c	Q83.	c	Q84.	d	Q85.	c
Q86.	d	Q87.	d	Q88.	b	Q89.	d	Q90.	a
Q91.	c	Q92.	d	Q93.	b	Q94.	a	Q95.	b
Q96.	b	Q97.	c	Q98.	d	Q99.	b	Q100.	b



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