



RRB NTPC Previous Year Paper 08

Q1. If the product of two numbers is 2522 and their LCM is 97 then their HCF is:

- (a) 28
- (b) 29
- (c) 27
- (d) 26

Q2. Which of the following is not regarded as helpful to compost?

- (a) Egg shells
- (b) Sawdust
- (c) Tea-bags
- (d) Fish bones

Q3. The functioning of a very old model pendulum clock was completely

- (a) Mechanical
- (b) Mechanical and electrical
- (c) Electrical
- (d) Battery operated

Q4. Which is the correct ascending order of the given numbers?

- (a)  $\frac{1}{3}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$
- (b)  $\frac{1}{3}$ ,  $\frac{2}{5}$ ,  $\frac{1}{5}$
- (c)  $\frac{1}{5}$ ,  $\frac{1}{3}$ ,  $\frac{2}{5}$
- (d)  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{1}{3}$

Q5. Nepal's first woman President is

- (a) Rita Bhandari
- (b) Vidya Devi Bhandari
- (c) Aishwarya Rajya Laxmi
- (d) Komal Rajya Laxmi

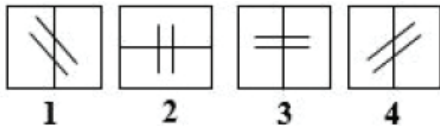
Q6. Which article of the Constitution of India relates to Uniform Civil Code?

- (a) 41
- (b) 42
- (c) 43
- (d) 44

Q7. A telephone bill costs Rs. 13 for 19 minutes. What is the cost in rupees for 15 minutes 50 seconds? (Rounded to one decimal).

- (a) 10.8
- (b) 10.7
- (c) 10.6
- (d) 10.9

Q8. Find the odd one out.



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

Q9. Q is P's sister. R is P's mother. M is Mrs. R's father. How is Q's father related to M?

- (a) Son
- (b) Grandson
- (c) Son-in-law
- (d) Brother

Q10. If the mathematical operator, '+' means '×', '÷' means '-', '-' means '+', and '×' means '÷', then the value of  $11 + 14 \times 7 - 5 \div 29$  is

- (a) -5
- (b) -12
- (c) -7
- (d) -2

Q11. The cash difference between the selling price of an article at a profit of 2% and 12% is Rs. 3. The ratio of two selling prices is:

- (a) 51:56
- (b) 51:53
- (c) 52:53
- (d) 55:56

Q12. Simplify:  $(25)^{\frac{3}{2}}$

- (a) 625
- (b) 15625
- (c) 125
- (d)  $\sqrt{125}$

Q13. The number of sides of a regular polygon whose exterior angles are each  $40^\circ$  is:

- (a) 7
- (b) 10
- (c) 9
- (d) 8

Q14. Who awarded the Kaisar-i-Hind medal of the British to Mahatma Gandhi for his contribution to ambulance services in South Africa?

- (a) Lord Dalhousie
- (b) Lord Canning
- (c) Lord Hardinge
- (d) Lord Curzon

Q15. A shopkeeper cheats to the extent of 8% while buying and selling fruits, by using tampered weights, his total gain in percentage is:

- (a) 16.25
- (b) 16.64
- (c) 16.75
- (d) 16.5

Q16. Mahabharata war lasted for \_\_\_\_ days.

- (a) 17
- (b) 18
- (c) 19
- (d) 21

Q17. Mughal Emperor Humayun's tomb is in

- (a) Kabul
- (b) Delhi
- (c) Shahdara Bagh
- (d) Khuldabad

Q18. The length of a diagonal in cm of a rectangle of length 9 cm and width 5 cm is

- (a)  $\sqrt{106}$
- (b)  $\pm\sqrt{106}$
- (c)  $2\sqrt{14}$
- (d)  $\pm 2\sqrt{14}$

Q19. Statements followed by some conclusions are given below.

Statements:

1. Some blues are violets whereas some are purples.
2. All oranges are reds and some reds are violets.
3. All purples are red.

Conclusions:

- I. Some reds are blues.
- II. Some oranges are violets.

Find which of the given conclusions logically follow from the given statements.

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

Q20. The value of  $2.31 \times 0.34 = ?$

- (a) 1.7854
- (b) 0.7854
- (c) 0.7845
- (d) 0.7584

Directions (21 - 23): Out of 100 nature lovers, 20 people wanted to see only bison, 30 wanted to see both bison and tiger, 15 wanted to see only leopard, 25 wanted to see only tiger, 5 wanted to see both bison and leopard and the remaining wanted to see only bear.

Q21. How many people wanted to see only one animal?

- (a) 35
- (b) 65
- (c) 60
- (d) 50

Q22. The ratio of people who wanted to see tiger to those who wanted to see bear is

- (a)  $1/11$
- (b)  $11/3$
- (c)  $11/1$
- (d)  $3/11$

Q23. How many people who wanted to see bison did not want to see leopard?

- (a) 5
- (b) 15
- (c) 50
- (d) 55

Q24. Which of the following is not correct with reference to Bio-sand Water Filter?

- (a) It deactivates or kills pathogens.
- (b) Sedimentation removes larger particles.
- (c) Filtration removes smaller particles.
- (d) High quality water is always assured.

Q25. Find the odd one out.

- (a) Cocaine
- (b) Caffeine
- (c) Nicotine
- (d) Heroin

Q26. Air is a \_\_\_\_\_.

- (a) Pure compound.
- (b) Mixture of only compounds.
- (c) Mixture of only elements.
- (d) Mixture of both elements and compounds.

Q27. The world heritage site Pashupatinath temple is located at

- (a) Peshawar
- (b) Kabul
- (c) Kathmandu
- (d) Multan

Q28. The variance of a set of data is 121. Then the standard deviation of the data is:

- (a)  $\pm 11$
- (b) 11
- (c) 21
- (d) 60.5

Q29. Mr. Devesh borrowed Rs. 4,500 at 4% per annum compound interest. The compound interest compounded annually for 2 years is:

- (a) Rs. 367.2
- (b) Rs. 4,867.2
- (c) Rs. 4,876.2
- (d) Rs. 376.2

Q30. Ms. Alina borrowed Rs. 650 at 6% per annum simple interest. What amount will she pay to clear her debt after 4 years?

- (a) Rs. 165
- (b) Rs. 860
- (c) Rs. 806
- (d) Rs. 156

Q31. Compute:  $4082 \div 157 - 23$

- (a) -3
- (b) 3
- (c)  $2041/67$
- (d)  $2014/67$

Q32. Manoj is twice efficient fisherman than Anuraj. If together they finish a work in 22 days. Then in how many days will Anuraj do the work alone.

- (a) 44
- (b) 66
- (c) 88
- (d) 60

Q33. The nation-wide campaign 'Operation Smile' is related to

- (a) Senior citizens
- (b) War widows
- (c) Freedom fighters
- (d) Missing children

Q34. Find the odd one out.



i

ii

iii

iv

- (a) iii
- (b) ii
- (c) i
- (d) iv

Q35. What is not true with CT Scan?

- (a) Combines many X-ray images.
- (b) Scanning is often painful.
- (c) Generates 3-D cross-sectional views.
- (d) Identifies normal and abnormal structures.

Q36. -3, 4, 0, 4, -2, -5, 1, 7, 10, 5 (median)

- (a) 2
- (b) 2.5
- (c) 2.75
- (d) 3

Q37. \_\_\_\_\_ was India's first satellite launched from Indian-made launch vehicle.

- (a) Aryabhata
- (b) Rohini
- (c) Bhaskara-1
- (d) INSAT-1A

Q38. Mother of Anand is the sister of the son of father of Chandra. How is Anand related to father of Chandra ?

- (a) Grandfather
- (b) Father
- (c) Uncle
- (d) Grandson

Q39. Mr. Akshar sold a bus for Rs. 20,400 with a loss of 15%. At what price should the bus be sold to get a profit of 15%?

- (a) 27,400
- (b) 27,300
- (c) 27,500
- (d) 27,600

Q40. Simplify:  $\frac{5}{28} \div \frac{28}{35} \div \frac{20}{112}$

- (a)  $\frac{4}{5}$
- (b)  $\frac{5}{4}$
- (c)  $\frac{4}{7}$
- (d)  $\frac{7}{4}$

Q41. Transparency International (TI) has put India at rank\_\_\_ out of 168 countries in its Corruption Perception Index as on January 2016.

- (a) 68
- (b) 76
- (c) 84
- (d) 101

Q42. Acid rain is caused by release of \_\_\_\_ and \_\_\_\_ into the air.

- (a) Carbon dioxide and carbon monoxide
- (b) Sulphur dioxide and nitrogen oxides
- (c) Oxygen and water vapour
- (d) Nitrous oxide and ozone

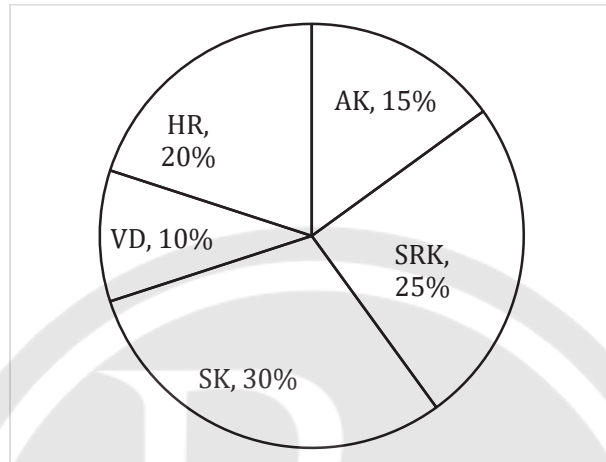
Q43. Identify the positive impact of internet in life.

- (a) Cyber-crimes are on the increase.
- (b) Users suffer from internet addiction disorder.
- (c) Best source of knowledge through a click.
- (d) Leads to less physical activity and poor eye sight.

Q44. Borosilicate glass wear is used in microwave oven because

- (a) It is not brittle
- (b) It is highly heat resistant
- (c) It cooks faster than any other vassel
- (d) It is energy efficient

Directions (45 - 47): The pie chart represents the favorite stars (Bollywood stars SRK, SK, AK, HR and VD) of the people of a family.



Consider the pie chart and answer questions based on it.

Q45. If there are 40 people in the family, what is the difference between those who like AK and those who like VD?

- (a) 2
- (b) 3
- (c) 4
- (d) 6

Q46. The sector angle corresponding to the HR is

- (a)  $36^\circ$
- (b)  $72^\circ$
- (c)  $54^\circ$
- (d)  $108^\circ$

Q47. The ratio of people who like SRK to those who like SK is

- (a)  $6/5$
- (b)  $5/6$
- (c)  $1/2$
- (d)  $2/1$

Q48. In a certain code, 'book is big' is written as 756; 'big is story' is 764 and 'story book is interesting' is 4356. Which digit represents 'interesting'?

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

Q49. Which one of the following does not directly refer to cholesterol?

- (a) Low density lipoprotein
- (b) High density lipoprotein
- (c) Rhesus factor
- (d) Packaged protein coat

Directions (50 - 52): Consider the following information and answer questions based on it.

Six students Lily, Mary, July, Daisy, Rosy and Fairy are sitting in a circle facing each other such that –

1. Mary sits to the immediate right of July.
2. Lily does not sit near Fairy.
3. The student sitting on the immediate left of July, sits to the immediate right of Fairy.
4. Rosy does not sit to the immediate right of Mary.

Q50. \_\_\_\_\_ sits to the immediate left of Lily.

- (a) Daisy
- (b) Mary
- (c) Rosy
- (d) July

Q51. If July leaves the circle, then who will be sitting to the immediate right of Lily?

- (a) Fairy
- (b) Rosy
- (c) Daisy
- (d) Cannot be determined

Q52. Who sits to the immediate right of Fairy?

- (a) Daisy
- (b) Rosy
- (c) Mary
- (d) Cannot be determined

Q53. What is the next number in the series–

4, 8, 8, 16, 12, 24, \_\_\_\_

- (a) 32
- (b) 48
- (c) 28
- (d) 16

Q54. Some statements and some conclusions are given below. Which of the following conclusions logically follow the given statements.

Statements

- A. Ravi works more than Meera, who works 8 hours per day
- B. Yuvi works 9 hours per day, which is 1 hour less than Ravi

Conclusion

- I. Ravi works 8 hours
- II. Yuvi and Ravi per day both works more than Meera

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

Q55. Divide Rs. 221 in the ratio 1:3:6:7. The rupees in the respective

ratios are

- (a) 13, 39, 77 & 92
- (b) 13, 39, 79 & 90
- (c) 13, 39, 78 & 91
- (d) 13, 40, 80 & 91

Q56. Which one does not related to mobile phone touch panel sensing methods?

- (a) Finger touch
- (b) Voice recognition
- (c) Gloved touch
- (d) Light transmittance

Q57. Keerthana takes 9hrs 20minutes in walking a distance and riding back to same place where she started. She could walk both ways in 11 hrs 15 minutes. The time taken by her to ride back both ways is:

- (a) 7 hrs 25 min
- (b) 7 hrs 35 min
- (c) 7 hrs 45 min
- (d) 7 hrs 15 min

Q58. Select the alternative that shows a similar relationship as the given pair –

Impulsive : Impromptu

- (a) Moderate : Increase
- (b) Flawless : Impeccable
- (c) Perpetual : Transitory
- (d) Resistant : Receptive

Q59. \_\_\_\_\_ does not relate to measurement of memory capacity.

- (a) GB
- (b) TB
- (c) HB
- (d) ZB

Q60. Astronauts inside spaceship feel \_\_\_\_ weight.

- (a) More
- (b) Less
- (c) Zero
- (d) Depends on G force

Q61. If JAGUAR = HCEWYT then ELEPHANT=?

- (a) CMCFRCLV
- (b) CNCRFCLV
- (c) CNCFRCLV
- (d) CNCRECLV

Q62. Mount Everest is located in

- (a) Tibet
- (b) India
- (c) Nepal
- (d) Bhutan

Q63. If PQRST : SPTRQ then HIJKL :?

- (a) KHJLI
- (b) KHLIJ
- (c) KHLJI
- (d) KHILJ

Q64. If  $\tan A = \frac{15}{8}$  and  $\tan B = \frac{7}{24}$ , then  $\tan (A-B) = ?$

- (a)  $\frac{304}{297}$
- (b)  $\frac{304}{425}$
- (c)  $\frac{416}{87}$
- (d)  $\frac{87}{416}$

Q65. Which of the following was described as the First Indian War of Independence?

- (a) Partition of Bengal, 1905
- (b) Uprising of 1857
- (c) Civil Disobedience Movement, 1930–1931
- (d) Quit India Movement, 1942

Q66. The number seats of Lok Sabha was increased from 525 to \_\_\_\_\_ in 1973.

- (a) 560
- (b) 555
- (c) 550
- (d) 545

Q67. The order of rotational symmetry of a trapezium is:

- (a) 2
- (b) 0
- (c) 1
- (d) 3

Q68. Compute:  $28854 \div 458 \div 9$

- (a) 70
- (b) 567
- (c) 7
- (d) 576

Q69. Two numbers are in ratio 4:5 and their HCF is 13. Their LCM is:

- (a) 260
- (b) 52
- (c) 65
- (d) 265

Q70. Chandan travelled equal distance with speed of 3 km/hr, 4 km/hr and 8 km/hr and takes a total time of 42.5 minutes. Find the total distance in km.

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

Q71. ITF Davis Cup is structured with a \_\_\_\_\_ nation World Group.

- (a) 8
- (b) 16
- (c) 20
- (d) 24

Q72. Who was appointed as the Managing Director of International Monetary Fund for 5 years starting July 5, 2016?

- (a) Strauss-Khan
- (b) Christine Lagarde
- (c) Jim Yong Kim
- (d) Rodrigo de Rato

Q73. The mean of the data 2, 9, 9, 3, 6, 9, 4 is :

- (a)  $\frac{33}{7}$
- (b) 6
- (c)  $\frac{43}{7}$
- (d) 7

Q74. Given  $w = -2, x = 3, y = 0$  &  $z = -\frac{1}{2}$ . Find the value of  $\frac{z}{w} + x$

- (a)  $3\frac{1}{4}$
- (b)  $-3\frac{1}{4}$
- (c) 3.2
- (d) 3.5

Q75. If Ammonia : Gas ,then Camphor :?

- (a) Gas
- (b) Solid
- (c) Liquid
- (d) Semi-solid

Q76. American astronaut Scott Joseph Kelly commanded the International Space Station consecutively for 340 days on \_\_\_\_\_.

- (a) Expedition 24
- (b) Expedition 25
- (c) Expedition 26
- (d) Expedition 27

Q77. \_\_\_\_\_ won the FIFA Ballon d'Or award for the best player in the World in 2015.

- (a) Cristiano Ronaldo
- (b) Neymar
- (c) Lionel Messi
- (d) Luis Suarez

Q78.  $\sin x = \frac{4}{5}$   $\frac{\sec x}{\sin x} = ?$

- (a)  $\frac{23}{12}$
- (b)  $\frac{25}{4}$
- (c)  $\frac{4}{5}$
- (d)  $\frac{25}{12}$

Q79. Ghoomar is the popular folk dance of

- (a) Punjab
- (b) Himachal Pradesh
- (c) Rajasthan
- (d) Jammu and Kashmir

Q80. Aditya said, "I have two children and Anil is the father of my daughter's only niece". How is Anil related to Aditya?

- (a) Father
- (b) Son
- (c) Grandfather
- (d) Brother

Q81. A junior college inducts students based on the following criteria–

1. Students who scored above 75% in Physics, 85% in Mathematics and 70% in Chemistry.
2. Students who scored at least 60% in English.
3. Students who are good in a sport or play a musical instrument or know a dance form.

Which student among the following will the college definitely take?

- (a) Shakti with 80% in Physics, 65% in Chemistry, 85% in Mathematics, 61% in English and plays veena.
- (b) Megha secured 80% in Physics, 87% in Mathematics, 70% in English, 75% in Chemistry and is a singer.
- (c) Sheela secured 78% in Physics, 70% in Chemistry, 85% in Mathematics, 75% in English knows Manipuri folk dance.
- (d) Mallika secured 70% in Chemistry, 70% in Mathematics, 85% in Physics, 65% in English and plays basketball.

Q82. \_\_\_\_\_ is not a chemical change.

- (a) Cooking an egg
- (b) Melting an ice cube
- (c) Baking a cake
- (d) Rotting bananas

Q83. Physical Research Laboratory was founded by\_\_\_\_\_.

- (a) S. K. Mitra
- (b) C. V. Raman
- (c) Homi Bhaba
- (d) Vikram Sarabhai

Q84. Solve it :  $5x - 2x(x - 1)$

- (a)  $3x - 2$
- (b)  $3x + 2$
- (c)  $7x + 2x^2$
- (d)  $7x - 2x^2$

Q85. Which cricketer is not in the list of ICC Cricket Hall of Fame?

- (a) Anil Kumble
- (b) Bishen Singh Bedi
- (c) Kapil Dev
- (d) Ravi Shastri

Q86. If BLACK = AMZDJ then BEAUTIFUL =?

- (a) AEZSUJEVK
- (b) AFZVSJEVK
- (c) AEZSUJFVK
- (d) AEZSSJEVK

Q87. Kalindi is another name of the river

- (a) Ganges
- (b) Bhagirathi
- (c) Yamuna
- (d) Brahmaputra

Q88. CMOS is a

- (a) Battery-powered memory chip
- (b) Basic input-output system
- (c) Storage device
- (d) Cache memory operating system

Q89. Western blot is the diagnostic test for

- (a) Plague
- (b) Leprosy
- (c) HIV
- (d) Typhoid

Q90. Assertion (A) and a reason (R) are given below.

Assertion (A): Some land outside the forest area is not fertile.

Reason (R): Extensive cattle grazing leads to loss of soil fertility.

Choose the correct option.

- (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

Q91. Which one is not a football stadium in India?

- (a) Bakshi Stadium, Srinagar
- (b) Baichung Stadium, Sikkim
- (c) Salt Lake Stadium, Kolkata
- (d) Sardar Patel Stadium, Ahmedabad

Q92. 4 men can build a small house in 12 days. How long would it take for 6 men to build the same house?

- (a) 9 days
- (b) 8 days
- (c) 8.1 days
- (d) 8.2 days

Q93. Function key \_\_\_\_\_ in a Windows keyboard can perform several functions, and does not have an assigned Windows default.

- (a) F1
- (b) F6
- (c) F8
- (d) F9

Q94. The human spinal column is made up of \_\_\_\_ bones.

- (a) 33
- (b) 42
- (c) 44
- (d) 53

Q95. If O=15 and STAR =58 then CAMEL =?

- (a) 35
- (b) 34
- (c) 33
- (d) 36

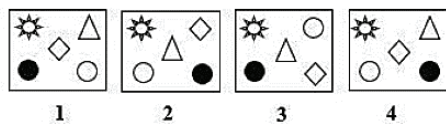
Q96. Correct expansion of 0.018 =?

- (a)  $\frac{1}{55}$
- (b)  $\frac{18}{100}$
- (c)  $\frac{18}{1000}$
- (d)  $\frac{1}{66}$

Q97. Solve:  $1000x - 5 = -6$

- (a)  $\frac{1}{1000}$
- (b)  $\frac{-1}{1000}$
- (c)  $\frac{-11}{1000}$
- (d)  $\frac{11}{1000}$

Q98. Which figure will replace the (?) in the given sequence?



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

Q99. Who was elected as the Prime Minister of Nepal in 2015?

- (a) Khil Raj Regmi
- (b) Sushil Koirala
- (c) K. P. Sharma Oli
- (d) Baburam Bhatarai

Q100. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.

- (a) GIANTLER
- (b) NILE
- (c) MUBORSH
- (d) RASQUE

