

RRB NTPC Previous Year Paper 02

Q1. Rearrange the following jumbled sentences to make a meaningful one:

P: weather conditions across a vast geographic

S: the climate of India

R: scale and varied topography

S: comprises of a wide range of

The proper sequence should be:

- (a) SRQP
- (b) QSPR
- (c) PQRS
- (d) QRPS

Q2. Choose the pair which is related in the same way as the words in the first pair from the given choices.

SOLDIERS : ARMY :: MUSICIANS: _____

- (a) FLOCK
- (b) GANG
- (c) COLONY
- (d) BAND

Q3. The process when the computer is switched on and the operating system gets loaded from hard disk to main memory is called–

- (a) Booting
- (b) Fetching
- (c) Processing
- (d) Multi-Processing

Q4. Which Indian won the 2014 Nobel Prize for Peace?

- (a) Kailash Satyarthi
- (b) Malala Yosufzai
- (c) Sanjiv Chaturvedi
- (d) Anshu Gupta

Q5. If three numbers are in the ratio 2:3:5 and the twice their sum is 100. Find the square of the largest of the three numbers.

- (a) 225
- (b) 625
- (c) 25
- (d) 100

Q6. Who was the first President of the Indian National Congress?

- (a) Womesh Chandra Bannerjee
- (b) Bal Gangadhar Tilak
- (c) Allan Octavian Hume
- (d) Dadabhai Naoroji

Q7. What is the compound interest on Rs. 48,000 for 2 years at 20% p.a., if interest is compounded annually?

- (a) Rs. 69,120
- (b) Rs. 21,120
- (c) Rs. 76,800
- (d) Rs. 72,000

Q8. A ladder 20 m long is leaning against a vertical wall. It makes an angle of 30° with the ground. How high on the wall does the ladder reach?

- (a) 10 m
- (b) 17.32 m
- (c) 34.64 m
- (d) 30 m

Q9. Ram said, "Sita is my paternal great grandfather's only son's only daughter-in-law". How is Sita related to Ram?

- (a) Maternal Aunt
- (b) Paternal Aunt
- (c) Mother
- (d) Sister

Q10. A piece of cloth costs Rs. 35. If the piece were 4 m longer and each meter were to cost Rs. 1 lesser, then the total cost would remain unchanged. How long is the piece of cloth?

- (a) 10 m
- (b) 14 m
- (c) 12 m
- (d) 8 m

Q11. In 2013, the first woman to be elected as the President of South Korea is–

- (a) Park Young-sun
- (b) Yuk Young-soo
- (c) Park Geun-hye
- (d) Sim Sang-jung

Q12. The Mughal empire was founded by–

- (a) Babur
- (b) Humayun
- (c) Akbar
- (d) Shah Jahan

Q13. Two poles of the height 15 m and 20 m stand vertically upright on a plane ground. If the distance between their feet is 12 m, find the distance between their tops.

- (a) 11 m
- (b) 12 m
- (c) 13 m
- (d) 14 m

Q14. How is Sammer related to Akbar if Sameer introduced Akbar as his maternal grandmother's only son's son?

- (a) Brother
- (b) Son
- (c) Maternal Uncle
- (d) Cousin

Q15. Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

Statement:

According to a recent health survey, people who exercise for at least half an hour every day are less prone to lifestyle diseases.

Conclusion:

I. Moderate exercise is essential to lead a healthy life.

II. Everyone with no exercise on their routine suffer from lifestyle diseases.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

Q16. Choose the one which is different or odd form the following.

- (a) Knight
- (b) Rook
- (c) Bishop
- (d) Pawn

Q17. The oldest oil field in Asia is located in–

- (a) Gujarat
- (b) Assam
- (c) Arunanchal Pradesh
- (d) Nagaland

Q18. The simple interest on a certain sum of money invested at a certain rate for 2 years amounts to Rs. 1200. The compound interest on the same sum of money invested at the same rate of interest for 2 years amounts to Rs. 1290. What was the principal?

- (a) Rs. 12000
- (b) Rs. 16000
- (c) Rs. 6000
- (d) Rs. 4000

Q19. Which of the following is false?

Sound waves are _____ waves.

- (a) Pressure
- (b) Longitudinal
- (c) Electromagnetic
- (d) Mechanical

Q20. Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

Statement:

In some tier 2 cities in India, transportation is one of the major problems.

Conclusions:

I. All tier 2 cities are not well connected.

II. Lack of transportation facilities is the only problem in Indian metros.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

Q21. Below are given statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. All rats are hills.

II. All hills are rivers.

- (a) Some rivers are rats
- (b) No river is a hill
- (c) All hills are rats
- (d) No river is a rat

Q22. How many bones does a new born human baby have?

- (a) 305
- (b) 206
- (c) 211
- (d) 411

Q23. Which country built the Bird's Nest Stadium for 2008 Summer Olympics?

- (a) China
- (b) Brazil
- (c) Australia
- (d) Germany

Q24. Which of the following coloured light has the lowest frequency?

- (a) Green
- (b) Blue
- (c) Red
- (d) Violet

Q25. In 2015, which auto manufacturer manipulated emissions testing data leading to the resignation of its CEO Martin Winterkom?

- (a) Volkswagen
- (b) Ford
- (c) Toyota
- (d) General Motors

Q26. A closed wooden rectangular box made of 1 cm thick wood has the following outer dimensions: length 22 cm, breadth 17 cm, and height 12 cm. It is filled to capacity with cement. What is the volume of the cement in the box?

- (a) 1488 cu. cm
- (b) 3000cu. cm
- (c) 4488 cu. cm
- (d) 2880 cu. cm

Q27. If the code for MOTHER is JRQKBU then what is the code for PRINCIPAL?

- (a) MRFKZLMXI
- (b) SULQFLSDO
- (c) MUFQZLMDI
- (d) MRFKZFMXI

Q28. The only non-metal which is liquid at room temperature is–

- (a) Mercury
- (b) Bromine
- (c) Chlorine
- (d) Gallium

Q29. Maanch is a folk dance from–

- (a) Haryana
- (b) Kerala
- (c) Assam
- (d) Madhya Pradesh

Q30. Which of the following insecticides' harmful effects came under media attention when health issues in Kerala were publicized?

- (a) Endosulfan
- (b) Lethal
- (c) Thimet
- (d) Monocil

Q31. The HCF and LCM of two numbers are 3 and 2730 respectively. If one of the numbers is 78, find the other number.

- (a) 107
- (b) 103
- (c) 105
- (d) 102

Q32. If $A = 1$ and $OAR = 34$, then $ROAR =$

- (a) 52
- (b) 53
- (c) 51
- (d) 50

Q33. Choose the one which is different or odd form the following.

- (a) Aluminum
- (b) Iron
- (c) Copper
- (d) Brass

Q34. According to the Constitution, the ratio between the length and breadth of the national tricolor should be–

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

Q35. If P travelled the first half of a journey at 40 km/hr and the remaining distance at 50 km/hr, what is the average speed of his travel?

- (a) 44.44 km/hr
- (b) 53.33 km/hr
- (c) 45 km/hr
- (d) 60 km/hr

Q36. Find the LCM of 15, 25 and 29.

- (a) 2335
- (b) 3337
- (c) 2175
- (d) 2375

Q37. In 1981, ISRO launched India's first geostationary satellite called–

- (a) Aryabhata
- (b) APPLE
- (c) Bhaskara II
- (d) INSAT 1B

Q38. Which of the following was the first antibiotic discovered by Alexander Fleming in 1928?

- (a) Penicillin
- (b) Prontosil
- (c) Streptomycin
- (d) Teracyline

Q39. If '+' means \times , '-' means \div , ' \times ' means + and ' \div ' means -; compute the value of the expression:

$$17 + 6 \times 13 \div 8$$

- (a) 100
- (b) 107
- (c) 110
- (d) 109

Q40. Which among the following is true for the given numbers?

- (a) $3/8 < 19/73 < 29/47 < 17/39$
- (b) $19/73 < 3/8 < 17/39 < 29/47$
- (c) $19/73 < 3/8 < 29/47 < 17/39$
- (d) $19/73 < 29/47 < 3/8 < 17/39$

Q41. Divide 3740 in three parts in such a way that half of the first part, one-third of the second part and one-sixth of the third part are equal.

- (a) 700, 1000, 2040
- (b) 340, 1360, 2040
- (c) 680, 1020, 2040
- (d) 500, 1200, 2040

Q42. Where is White Desert is located?

- (a) Gujarat
- (b) Tamil Nadu
- (c) Jammu and Kashmir
- (d) Sikkim

Q43. Which of the following Acts under the Indian Constitutions is described by Article 21 A?

- (a) Right to Education
- (b) Right to Information
- (c) Representation of the People
- (d) Right to Freedom of Religion

Q44. Which of the following monuments built by Muhammad Quli Qutb Shah is said to be built to commemorate the eradication of plague?

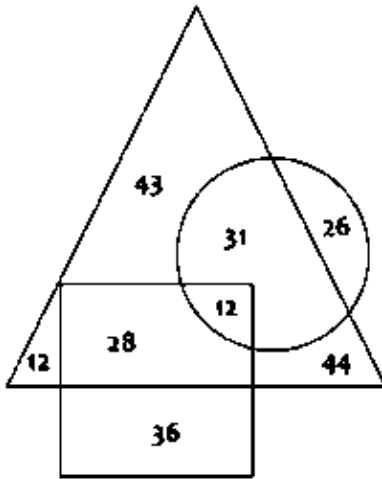
- (a) Alai Minar
- (b) Charminar
- (c) Fateh Burj
- (d) Qutub Minar

Q45. Which of the following is not an example of a Word Processor?

- (a) IBM Lotus Symphony
- (b) Microsoft Word
- (c) Google Docs
- (d) Microsoft Excel

Direction [46–48]: Comprehension: Study the diagram given below and answer the questions based on it.

- △ represents Persons who like Reading
- represents Persons who like Cycling
- represents Persons who like Trekking



Q46. How many persons like Reading?

- (a) 170
- (b) 154
- (c) 176
- (d) 117

Q47. How many persons like Trekking and Reading but not Cycling?

- (a) 12
- (b) 31
- (c) 44
- (d) 28

Q48. How many persons like Reading and Cycling but not Trekking?

- (a) 31
- (b) 12
- (c) 26
- (d) 28

Q49. There are 90 coins, comprising of 5 and 10 paisa coins. The value of all the coins is Rs. 7. How many 5 paisa coins are there?

- (a) 50
- (b) 45
- (c) 40
- (d) 35

Q50. How high is the badminton net at the center?

- (a) 5 feet
- (b) 5.1 feet
- (c) 5.5 feet
- (d) 4.8 feet

Q51. Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

Statement:

Success cannot be achieved without hard work.

Conclusions:

I. Every hardworking persons is successful.

II. Every successful person is hardworking.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

Q52. Find the mode of the given numbers .

52 , 54 ,55 , 56 ,55 , 54 ,53 , 55 ,53 ,51 and 57 .

- (a) 53
- (b) 54
- (c) 55
- (d) 52

Direction (53-55): Comprehension: Use the following passage for the questions based on it.

Here are six flats on a floor in two rows. Out of these, three are north facing and the other three are south facing flats. The flats are to be allotted amongst Arun, Biswajyot, Chitra, Derek, Evan and Fatima. Biswajyot gets a north facing flat and is not next to Derek. Derek and Fatima get diagonally opposite flats. Chitra is next to Fatima, and get a south facing flat. Evan gets a north facing flat.

Q53. Except Derek and Fatima, which other pair is diagonally opposite to each other?

- (a) Arun and Biswajyot
- (b) Arun and Chitra
- (c) Evan and Derek
- (d) Evan and Chitra

Q54. Which of the following pairs is exactly opposite to each other?

- (a) Derek and Evan
- (b) Fatima and Chitra
- (c) Evan and Chitra
- (d) Evan and Arun

Q55. Which of the following combination gets south facing flats?

- (a) Arun, Chitra and Fatima
- (b) Chitra, Biswajyot and Derek
- (c) Evan, Arun and Fatima
- (d) Derek, Arun and Biswajyot

Q56. 30 men working 5 hours a day can do a task in 16 days. In how many days will 40 men working 6 hours a day do the same task?

- (a) 12 days
- (b) 10 days
- (c) 15 days
- (d) 18 days

Direction (57-59): Comprehension: Study the following table and answer the questions based on it. Below is the Household Expenditure (in Thousand Rupees) per annum.

Year	Household Expenditure				
	Grocery	Rent	Leisure	EMI	Taxes
2010	32	12	5	3.4	9
2011	37	13	6.5	4.5	13
2012	46	14	7.3	5.6	17
2013	48	16	7.9	6.4	18
2014	52	18	8.5	7.4	19

Q57. What is the total Household Expenditure for the year 2012?

- (a) Rs. 89,900
- (b) Rs. 87,120
- (c) Rs. 89,100
- (d) Rs. 88,200

Q58. Expenditure on EMI forms what percentage of expenditure on Grocery for the year 2014?

- (a) 11.34%
- (b) 14.23%
- (c) 13.22%
- (d) 15.55%

Q59. What is the average spending on Leisure per annum?

- (a) Rs. 7,040
- (b) Rs. 6,500
- (c) Rs. 7,100
- (d) Rs. 7,400

Q60. A triangle has a perimeter of 200. If two of its sides are equal and the third side is 20 more than the equal sides, what is the length of the third side?

- (a) 60
- (b) 50
- (c) 80
- (d) 70

Q61. The operating system UNIX is the trademark of-

- (a) Microsoft
- (b) Bell Laboratories
- (c) Apple
- (d) Motorola

Q62. The first large scale electrical air conditioning was invented and used in 1902 by–

- (a) Willis Carrier
- (b) John Gorrie
- (c) Stuart Cramer
- (d) H. H. Schultz

Q63. The area of a triangle ABC is 63 sq. units. Two parallel lines DE, FG, are drawn such that they divide the line segments AB and AC into three equal parts. What is the area of the quadrilateral DEGF?

- (a) 28 sq. units
- (b) 35 sq. units
- (c) 21 sq. units
- (d) 48 sq. units

Q64. Which of the following is the most common kidney stone-forming compound?

- (a) Calcium oxalate
- (b) Magnesium oxide
- (c) Sodium bicarbonate
- (d) Magnesium citrate

Q65. Compute: $(50 + 0.5 \times 20) \div 0.7$

- (a) 8.571
- (b) 857.1
- (c) 85.71
- (d) 72.85

Q66. Working together, P, Q and R reap a field in 6 days. If P can do it alone in 10 days and Q in 24 days, in how many days will R alone be able to reap the field?

- (a) 32 days
- (b) 40 days
- (c) 45 days
- (d) 60 days

Q67. In 2015, underground glaciers of frozen water were discovered on–

- (a) Mars
- (b) Venus
- (c) Jupiter
- (d) Saturn

Q68. A shopkeeper marks the price of an article at Rs. 320. Find the cost price if after allowing a discount of 10%, he still gains 20% on the cost price.

- (a) Rs. 240
- (b) Rs. 280
- (c) Rs. 300
- (d) Rs. 264

Q69. Which leader adopted Orthodox Christianity as the official religion of Russia?

- (a) Vladimir the Great
- (b) Michael Romanov
- (c) Ivan IV
- (d) Boris Godunov

Q70. If RUN = 182114 and BIN = 2914, then BRING =

- (a) 2189147
- (b) 1178136
- (c) 31910158
- (d) 21910158

Q71. On an average, how many taste buds are present in a human tongue?

- (a) 2000 to 8000
- (b) 50000 to 100000
- (c) 1 million to 10 million
- (d) More than 10 million

Q72. $5.16 \times 3.2 =$

- (a) 15.502
- (b) 16.512
- (c) 17.772
- (d) 17.52

Q73. Choose the pair which is related in the same way as the words in the first pair from the given choices.

DOG : KENNEL :: BEE: _____

- (a) HIVE
- (b) BARN
- (c) HOLE
- (d) NEST

Q74. Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

Statements:

- A.** Some fruits are vegetables.
- B.** All vegetables are plants.

Conclusions:

- I.** Some plants are vegetables.
 - II.** Some fruits are plants.
- (a) Only conclusion I follows
 - (b) Only conclusion II follows
 - (c) Both I and II follow
 - (d) Neither of them follows

Q75. A table was sold at a profit of 10%. If its cost price was 5% less and it was sold for Rs. 7 more, the gain would have been 20%. Find the cost price of the table.

- (a) Rs. 175
- (b) Rs. 200
- (c) Rs. 250
- (d) Rs. 150

Q76. Which of the following can reproduce only through a sexual method?

- (a) Coral
- (b) Hydra
- (c) Sponges
- (d) Annelida

Q77. Who had discovered Heliocentric theory?

- (a) Nicolaus Copernicus
- (b) Galileo Galilei
- (c) Johannes Kepler
- (d) Friedrich Bessel

Q78. The 'Father of Indian Space Program' is-

- (a) Dr. A. P. J. Abdul Kalam
- (b) Dr. Vikram A. Sarabhai
- (c) Dr. K. Kasturirangan
- (d) Prof. Satish Dhawan

Q79. The filament of a light bulb is made up of-

- (a) Platinum
- (b) Tantalum
- (c) Tungsten
- (d) Antimony

Q80. Who among the following became the first tourist to space by spending \$20 million for 8 days in orbit?

- (a) Greg Olsen
- (b) Charles Simonyi
- (c) Dennis Tito
- (d) Mark Shuttleworth

Q81. P bought an article for Rs. 1600 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for Rs. 1840?

- (a) 5%
- (b) 10%
- (c) 12%
- (d) 15%

Q82. Which of the following Ancient humanoid belongs to the Upper Paleolithic in Europe of modern human?

- (a) Ergaster line
- (b) Cro-magnon
- (c) Neanderthal
- (d) Proconsul

Q83. What is $C_{12}H_{22}O_{11}$ also known as-

- (a) Sand
- (b) Sugar
- (c) Salt
- (d) Clay

Q84. Select the correct set of symbols:

$$27 \ 3 \ 19 \ 10 = 90$$

- (a) $\times, -, \div$
- (b) $+, \div, -$
- (c) $+, -, \div$
- (d) $\times, +, -$

Q85. Simplify: $(2/7 + 3/5) \div (2/5 + 2/7)$

- (a) $31/24$
- (b) $24/31$
- (c) $26/25$
- (d) $12/13$

Q86. Select the correct set of symbols:

$$44 \ 4 \ 7 \ 5 = 82$$

- (a) $\times, -, \div$
- (b) $+, \div, -$
- (c) $+, -, \div$
- (d) $\div, \times, +$

Q87. If $R019$ is divisible by 11, find the value of the smallest natural number R?

- (a) 5
- (b) 6
- (c) 7
- (d) 8

Q88. Malini said, "Rohit is my maternal aunt's mother's only son's son". How is Malini related to Rohit?

- (a) Cousin
- (b) Mother
- (c) Sister
- (d) Daughter

Q89. In Tennis, hard court is the type of court whose surface is made of-

- (a) Concrete
- (b) Clay
- (c) Grass
- (d) Carpet

Q90. If '+' means \times , '-' means \div , ' \times ' means + and ' \div ' means - ; compute the value of the expression:

$$36 - 4 + 7 \times 8$$

- (a) 72
- (b) 71
- (c) 74
- (d) 75

Q91. The average of first 20 multiples of 12 is:

- (a) 124
- (b) 120
- (c) 126
- (d) 130

Q92. What is the median of the following list of numbers: 55, 53, 56, 59, 61, 69, and 31?

- (a) 55
- (b) 56
- (c) 59
- (d) 61

Q93. The sum of digits of a two-digit number is 9. When the digits are reversed, the number decreases by 45. Find the changed number.

- (a) 45
- (b) 72
- (c) 63
- (d) 27

Q94. If MENTOR=NVMGLI then PROFESSOR =

- (a) QSPGFTTPS
- (b) KILUVHHLI
- (c) KSLGVTHMI
- (d) KILGFHHLI

Q95. The national song of India was composed by-

- (a) Rabindranath Tagore
- (b) Bankim Chandra Chatterjee
- (c) Pydimarri Venkata Subba Rao
- (d) Pingali Venkayya

Q96. Which of the following is NOT an effect of Noise Pollution?

- (a) Death of Animals
- (b) Tinnitus
- (c) Hypertension
- (d) Ozone Depletion

Q97. The upstream speed of the boat is 40 km/hr and the speed of the boat in still water is 55 km/hr. What is the downstream speed of the boat?

- (a) 75 km/hr
- (b) 70 km/hr
- (c) 60 km/hr
- (d) 65 km/hr

Q98. Choose the pair which is related in the same way as the words in the first pair from the given choices.

TENNIS: COURT :: BOXING: _____

- (a) STADIUM
- (b) RING
- (c) PITCH
- (d) GROUND

Q99. Six years ago, the ratio of the ages of the two persons P and Q was 3:2. Four years hence the ratio of their ages will be 8:7. What is P's age?

- (a) 10 years
- (b) 12 years
- (c) 14 years
- (d) 8 years

Q100. Which of the following popular tourist destinations of India were built in 1911 to commemorate the visit of King George V and Queen Mary?

- (a) India Gate
- (b) Gateway of India
- (c) The Prince of Wales Museum
- (d) Victoria Terminus