

RRB NTPC Previous Year Paper 05

Q1. Rearrange the jumbled letters to make meaningful words and then select the one which is different.

- (a) LOWELY
- (b) IFER
- (c) THIWE
- (d) WRONB

Q2. Find the value of '?', if the mean of the Sdata set 18, 16, 22, 13, ? = 16.

- (a) 9
- (b) 11
- (c) 10
- (d) 12

Q3. Which of the following will fit in '?' place in the following series?

AN, BO, CP, DQ, ?

- (a) ES
- (b) RE
- (c) FS
- (d) ER

Q4. The planet Mars is also known as the _____.

- (a) Morning Star
- (b) Evening star
- (c) Red planet
- (d) Blue planet

Q5. What is the common name of the solution of calcium hydroxide?

- (a) Lime water
- (b) Diet soda
- (c) Salt solution
- (d) Vinegar

Q6. Nurse : Ward :: Teacher : ?

- (a) Student
- (b) Board
- (c) Class
- (d) Lesson

Q7. 'Smiling Buddha' was the code name for

- (a) The rescue and relief operations after the cloudburst in Uttarakhand in 2013.
- (b) The rescue and relief operations after an earthquake hit Nepal in 2015.
- (c) Pokhran-II nuclear test conducted by India in 1998.
- (d) Pokhran-I nuclear test conducted by India in 1974.

Direction (8-10): Consider the following information and answer questions based on it.

Six cars S, T, V, W, X and Y are parked in a parking lot, in a random order, from left to right, such that-

- A. T is parked on the extreme right.
- B. V is parked to the immediate right of Y and is one car away from W.
- C. X is to the immediate left of T and is three cars away from S.

Q8. Which of the following statement is true?

- (a) There are two cars between T and V.
- (b) There is one car between X and Y.
- (c) There are three cars between Y and S.
- (d) There is no car between X and W.

Q9. W is to the immediate right of

- (a) S
- (b) Y
- (c) V
- (d) Cannot be determined

Q10. Which car is parked to the immediate left of X?

- (a) V
- (b) Y
- (c) W
- (d) T

Q11. Jantar Mantar in Delhi is historically important for

- (a) Public meetings
- (b) Hunger strikes
- (c) Ancient sculptures
- (d) Astronomical observatory

Q12. 'Bharat Stage Emission Standards' refers to

- (a) Vehicular pollution
- (b) Industrial pollution
- (c) Water pollution
- (d) Soil pollution

Q13. Statements followed by some conclusions are given below.

Statement:

Q1. $M > L > N$

Q2. $N = R$

Conclusions:

I. $R > L$

II. $R < M$

Find which of the given conclusions logically follows 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.

Q14. Find the odd statement: Two lines are perpendicular to each other if they are,

- (a) Adjacent sides of a rectangle.
- (b) Diagonals of a rhombus.
- (c) Hypotenuse and one side of a right-angle triangle.
- (d) Adjacent sides of a square.

Q15. A certain number of men agreed to do a work in 20 days. 5 men did not come for work. Others completed the work in 40 days. Find the number of men who had agreed to do the work originally.

- (a) 8
- (b) 10
- (c) 12
- (d) 15

Q16. How many prime numbers are there between the positive integers 60 and 100?

- (a) 9
- (b) 6
- (c) 7
- (d) 8

Q17. A trader sells two articles for Rs 1875 each. If he gains 25% on one and losses 25% on other, then what is the value (in Rs) of the loss?

- (a) 150
- (b) 250
- (c) 400
- (d) 500

Q18. Kyoto Protocol's (an international treaty to reduce greenhouse gas emissions) first meeting was held at which country?

- (a) USA
- (b) Germany
- (c) Japan
- (d) Switzerland

Q19. Find the value of $y(y^4 - y^2 - y)$ when $y=5$.

- (a) 2900
- (b) 2975
- (c) 2925
- (d) 2995

Q20. The sum of two positive integers is 34 and their difference is 8. Find their product.

- (a) 308
- (b) 273
- (c) 209
- (d) 345

Q21. The LCM of two numbers is 66. The numbers are in the ratio 2:3. The sum of the numbers is

- (a) 60
- (b) 55
- (c) 50
- (d) 65

Q22. If P means '÷', R means '×', Q means '+' and S means '-', then $36 P 6 Q 7 R 8$

$S 11 =$

- (a) 45
- (b) 51
- (c) 52
- (d) 62

Q23. Multitasking system specifically refers to

- (a) More than one user.
- (b) More than one process.
- (c) More than one hardware.
- (d) More than on IP address.

Q24. Union Government's School Nursery Yojana is about

- (a) Creating environmental awareness in young minds.
- (b) Streamlining admissions in nursery schools.
- (c) Bringing nursery schools under regulations.
- (d) Creating awareness about safety of children.

Q25. Ms. Chandra said that Lakshmi's husband is the only son of my grandfather. How is Ms. Chandra related to Lakshmi?

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

Q26. Chief Election Commissioner of India can be removed from the office by

- (a) Both houses of Parliament
- (b) Union council of Ministers
- (c) President of India
- (d) Chief Justice of India

Q27. $\cos^2 90^\circ + \operatorname{cosec}^2 90^\circ - \cot^2 45^\circ = ?$

- (a) 2
- (b) 0
- (c) $1/2$
- (d) $\sqrt{3/2}$

Q28. As per Census of India 2011, the population density was about

- (a) 382 people per sq.km
- (b) 353 people per sq.km
- (c) 402 people per sq.km
- (d) 428 people per sq.km

Q29. The difference between the ages of two sisters is 4 years when father's age is 54, Father is elder by 2 years to mother.

Younger sister's age is half of mother's age. Find the age of elder sister.

- (a) 26
- (b) 27
- (c) 29
- (d) 30

Q30. $2^2 - 3^3 + 4^3 - 6^2$

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Q31. Syed Modi International Grand Prix Gold Championship is held every year at _____

- (a) Chandigarh
- (b) Lucknow
- (c) Delhi
- (d) Hyderabad

Q32. Name the first woman to head a paramilitary force.

- (a) Divya Ajith
- (b) Achana Ramasundaram
- (c) Punita Arora
- (d) Ashwini Pawar

Q33. Who was known as Badshah Khan?

- (a) Mohammed Ali Jinnah
- (b) Abul Kalam Azad
- (c) Khan Abdul Ghaffar Khan
- (d) Khan Abdul Wali Khan

Direction (34-36): The following table represents the rainfall (in mm) of five states from June to September in a year.

	June	July	August	September
JK	1100	1100	1000	1200
HP	1100	1100	1000	1300
WB	1400	1300	1200	1000
Ga	1000	1300	1500	1700
TN	1200	1050	1000	1100

Consider the information and answer questions based on it.

Q34. Which state has the lowest average rainfall?

- (a) JK
- (b) HP
- (c) WB
- (d) TN

Q35. Which state shows a gradual increase in its rainfall from June to September?

- (a) HP
- (b) WB
- (c) GA
- (d) TN

Q36. Which month received the lowest rainfall in the year?

- (a) June
- (b) July
- (c) August
- (d) September

Q37. A certain sum becomes Rs 840 in 3 years and Rs 1200 in 7 years at simple interest. What is the value (in Rs.) of principal?

- (a) 520
- (b) 570
- (c) 620
- (d) 670

Q38. During morning walk, a man covers a distance of 3 km, 4 km, 3.5 km, 5 km and 4.5 km from Monday to Friday, respectively. How much distance should he cover on two more days, so that his average per week becomes 4 km per day?

- (a) 4
- (b) 8
- (c) 5
- (d) 6

Q39. Find the HCF & LCM of 16, 24.

- (a) 8, 48
- (b) 4, 12
- (c) 2, 24
- (d) 4, 48

Q40. Saffron is produced in a large scale in

- (a) Himachal Pradesh
- (b) Gujarat
- (c) Jammu and Kashmir
- (d) Kerala

Q41. A man purchased a cycle for Rs. 3,000/- and agreed to pay 12% on the amount as interest. He repaid principal and interest in 12 equal monthly installments. Find the amount of each installment.

- (a) Rs. 260
- (b) Rs. 240
- (c) Rs. 280
- (d) Rs. 300

Q42. The political system in Afghanistan is known as

- (a) Islamic State of Afghanistan
- (b) Islamic Republic of Afghanistan
- (c) Islamic Emirate of Afghanistan
- (d) Islamic Government of Afghanistan

Q43. If 'are you sam' = 'ri ai ki', 'all hate you' = 'vi li ri' and 'all are fake' = 'mi ai li' then which represents 'hate'?

- (a) ri
- (b) li
- (c) vi
- (d) ai

Q44. Pointing to K, M said that she was the daughter of the only son of his grandfather. How M is related to K?

- (a) Mother
- (b) Maternal aunt
- (c) Daughter
- (d) Sister

Q45. Find the mean value of 2, 3, 3, 4, 6, 7

- (a) 4.17
- (b) 4.15
- (c) 4.13
- (d) 4.70

Q46. Who won majority of the men's singles tennis grand slam tournaments in 2015?

- (a) Andy Murray
- (b) Novak Djokovic
- (c) Roger Federer
- (d) Stanislas Wawrinka

Q47. Two cars are travelling towards each other with speeds of 45 km/hr and 63 km/hr respectively. What is the distance (in kilometres) between the two cars ten second before they collide?

- (a) 0.5
- (b) 0.2
- (c) 0.3
- (d) 0.45

Q48. If CABINET = EIACBTN, then COMPUTE = _____.

- (a) TPOMECU
- (b) TPOCMEU
- (c) PTOCMEU
- (d) CMUEOPT

Q49. The Constituent Assembly adopted Indian national flag on

- (a) 22nd July 1947
- (b) 22nd August 1947
- (c) 22nd January 1948
- (d) 22nd October 1947

Q50. When milk becomes sour, _____ is produced.

- (a) Lactose
- (b) Lactic acid
- (c) Salicylic acid
- (d) Linoleic acid

Q51. A shop keeper purchased 10 kg of rice and 20 kg of sugar at Rs. 75 and Rs. 85 per kg respectively. On selling, he gained 20% on rice and 10% on sugar. What was the total sale price?

- (a) Rs. 2,695
- (b) Rs. 2,770
- (c) Rs. 2,800
- (d) Rs. 2,750

Q52. Yellow fever is mainly transmitted among humans by

- (a) Female mosquito bite
- (b) Male mosquito bite
- (c) Water
- (d) Air

Q53. Read the given statements carefully and answer the question.

The main reasons for vehicles crawling on city roads during peak hours are increasing number of private vehicles and double parking which is a very common sight. A survey reveals that vehicles move on an average at 20 kmph during peak hours.

Which of the following is true according to the given statement?

- (a) Vehicles move at 20 kmph during 5 pm to 9 pm.
- (b) Double parking is not a violation of traffic rule in the city.
- (c) The number of private vehicles have gone up.
- (d) The number of Government vehicles remain the same.

Q54. Which of the following is in ascending order?

- (a) 0.65, 0.76, 0.67, 0.86
- (b) 0.65, 0.56, 0.67, 0.76
- (c) 0.65, 0.67, 0.76, 0.86
- (d) 0.67, 0.65, 0.76, 0.86

Q55. Which one does not belong to the group?

- (a) Zee
- (b) Screen
- (c) Colors
- (d) Sony

Q56. A path of 2.5 m width surrounds a rectangular garden of length 10 m and breadth 8 m. Area of the garden, inclusive of the path is

- (a) 130.25 sq.m
- (b) 131.25 sq.m
- (c) 195.00 sq.m
- (d) 132.50 sq.m

Q57. Find the similarity in the following:

Leopard, Tiger, Jaguar, Lion

- (a) All of them are found in India.
- (b) All of them belong to the cat family.
- (c) All of their young ones are called kittens.
- (d) There is no similarity.

Q58. The end of British rule in India came in the year

- (a) 1946
- (b) 1947
- (c) 1948
- (d) 1950

Q59. A trader bought 10 kg of tea at Rs. 400 per kg. He sold half the quantity at 20% loss and remaining at 10% profit. What was his net profit or loss in percentage?

- (a) 5% loss
- (b) 5% gain
- (c) 10% loss
- (d) 10% gain

Q60. The Victoria Falls are on the river

- (a) Niger
- (b) Congo
- (c) Zambezi
- (d) Orange

Q61. What happens in an oxidation reaction?

- (a) Protons are lost.
- (b) Electrons are lost
- (c) Neutrons are lost
- (d) Electrons are gained

Q62. Who was the first chairman of ISRO?

- (a) Kasturirangan
- (b) Vikram Sarabhai
- (c) Homi K. Bhabha
- (d) C. V. Raman

Q63. Find the odd statement out in relation to firewall

- (a) Firewall can be a software.
- (b) Firewall can be a hardware.
- (c) Firewall can be a combination of software & hardware.
- (d) Firewall protects computer from fire.

Q64. What will be the cost of leveling a circular ground of diameter 28 m, if the charge is Rs. 125 per sq.m? ($\pi = 22/7$).

- (a) Rs. 76,000
- (b) Rs. 76,400
- (c) Rs. 76,800
- (d) Rs. 77,000

Q65. The popular Yankee Stadium in USA is located at

- (a) Boston
- (b) New York
- (c) Las Vegas
- (d) Washington

Q66. $\operatorname{Cosec}(90^\circ - \theta) = ?$

- (a) $\tan \theta$
- (b) $\cot \theta$
- (c) $\sec \theta$
- (d) $\cos \theta$

Q67. An article was sold for Rs. 2100 at a profit of 25%. What is its cost price?

- (a) Rs. 1,620
- (b) Rs. 1,640
- (c) Rs. 1,660
- (d) Rs. 1,680

Q68. In a certain code, 327 means "don't cut tree", 635 means 'plant one tree', 138 means 'tree gives shade' and 4953 means 'we must plant tree'. Which digit represents 'shade'?"

- (a) 1
- (b) 4
- (c) 8
- (d) cannot be determined

Q69. Read the given statements carefully and answer the question.

Spending money should be based on logical decision and not compulsive or impulsive behavior. One should not fall prey to possible hidden agenda of the sellers who come out with 'sale', 'free offer' etc. Price is what you pay, value is what you should get.

- (a) When you pay for something, look for value.
- (b) Any discounted sale has a hidden agenda against the consumer.
- (c) People do compulsive or impulsive and not logical spending.
- (d) Sellers are cheating the public.

Q70. An electric motor converts

- (a) Mechanical energy into electrical energy.
- (b) Thermal energy into electrical energy.
- (c) Electrical energy into mechanical energy.
- (d) Radiant energy into electrical energy.

Q71. When the car takes a bend, the force that pushes us to the outside of the curve is the

- (a) Centripetal Force
- (b) Centrifugal Force
- (c) Frictional Force
- (d) Tension Force

Q72. The Prime Minister is the ex-officio President of

- (a) CLRI
- (b) CSIR
- (c) ISRO
- (d) DRDO

Q73. The name of the newest Antarctica research base commissioned in 2015 is

- (a) Dakshin Gangotri
- (b) Maitri
- (c) Bharati
- (d) Lotus

Q74. A car covers the first 30 km at a speed of 60 kmph and the next 20 km at 80 kmph. Find the average speed.

- (a) 65.67 kmph
- (b) 65.33 kmph
- (c) 66.33 kmph
- (d) 66.67 kmph

Q75. Indian sports person Gagan Narang is associated with

- (a) Archery
- (b) Air rifle shooting
- (c) Wrestling
- (d) Badminton

Q76. Which number will fit in '?' place in the following series?

12, 23, 45, 89, ?

- (a) 175
- (b) 176
- (c) 177
- (d) 178

Q77. Microsoft Corporation was founded in

- (a) 1979
- (b) 1981
- (c) 1975
- (d) 1965

Q78. If F = 6, THE = 33 then WOMAN = ?

- (a) 64
- (b) 65
- (c) 66
- (d) 67

Q79. If the mathematical operators, '×' means '+', '÷' means '×', '+' means '-', and '-' means '÷', then $22+36-12\times 6\div 4=?$

- (a) -21
- (b) 43
- (c) 68
- (d) 53

Q80. Which organ is not a gland?

- (a) Adrenal
- (b) Liver
- (c) Pituitary
- (d) Gall bladder

Q81. Who was conferred the Arjuna Award for wrestling in 2015?

- (a) Babita Kumari
- (b) Abhilasha Shashikant
- (c) Yumnam Sanathoi Devi
- (d) M. R. Poovamma

Q82. Every set in the dotted decimal format of IP address is called

- (a) Subnet
- (b) Octet
- (c) Subset
- (d) IP set

Q83. If $x+y=19$ and $x-y=7$, then $xy = ?$

- (a) 13
- (b) 48
- (c) 78
- (d) 72

Q84. A tap can fill a tank in 20 minutes. If a leakage is capable of emptying the tank in 60 minutes, the tank will be filled in

- (a) 1 hour
- (b) 45 minutes
- (c) 30 minutes
- (d) 50 minutes

Q85. The arithmetic mean of the marks scored by students of a class is 58.20% of them secured a mean score of 60. The mean score of another 30% of the students was 40. The mean score of the remaining students is

- (a) 65
- (b) 66
- (c) 68
- (d) 70

Q86. Parliament House in Delhi was constructed during

- (a) 1895 - 1900
- (b) 1901 - 1909
- (c) 1921 - 1927
- (d) 1931 - 1935

Q87. Anaemia condition is due to

- (a) Deficiency of platelets.
- (b) Deficiency of RBC.
- (c) Deficiency of WBC.
- (d) Deficiency of oxidants.

Direction (88-90): Consider the following information and answer the questions based on it. Out of 50 kids in a colony, 10 like only basketball, 25 like only football, 10 like both volleyball and football and 5 like only volleyball.

Q88. How many kids do not like volleyball?

- (a) 15
- (b) 25
- (c) 35
- (d) 45

Q89. The ratio of kids who like football to those who like only basketball is

- (a) $5/2$
- (b) $7/2$
- (c) 4
- (d) 5

Q90. How many kids like only one sport?

- (a) 50
- (b) 40
- (c) 35
- (d) 25

Q91. Four pairs of words are given. Find the odd one out.

- (a) White : Snow
- (b) Red : Blood
- (c) Brown : Sky
- (d) Green : Grass

Q92. The recent trial run of 'odd-even' traffic scheme for Delhi was based on.

- (a) odd-even calendar months
- (b) odd-even calendar dates
- (c) vehicle registration numbers
- (d) odd-even hours during 8 am to 8 pm

Q93. Read the given statement carefully and answer the question.

Taxes on eating out have been increased. Eating out is not an act of the luxurious. Over-worked and time-pressed poor also need to eat out.

- (a) The poor enjoy the luxury of eating out.
- (b) Eating out is luxury for the poor.
- (c) Eating out is need-based for the poor also.
- (d) Tax on eating out must be reduced.

Q94. The ratio of marks obtained by a student in 3 subjects was 1:2:3. The school decided to allow grace marks of 5% for each subject. Find the student's new ratio.

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

Q95. A bus runs at 50 kmph. If the speed is increased by 10 kmph, it will cover 20 km more in the same time. Find the actual distance covered?

- (a) 100 km
- (b) 150 km
- (c) 200 km
- (d) 250 km

Q96. The Hornbill festival is celebrated in

- (a) Arunachal Pradesh
- (b) Nagaland
- (c) Odisha
- (d) West Bengal

Q97. Four pairs of words are given. Find the odd one out.

- (a) Rhombus : Four-sided polygon
- (b) Nonagon : Seven-sided polygon
- (c) Octagon : Eight-sided polygon
- (d) Hexagon : Six-sided polygon

Q98. Find the 4th proportional to 9, 17 and 27.

- (a) 57
- (b) 48
- (c) 51
- (d) 53

Q99. Union Government Budget deficit for a particular financial year represents

- (a) Total amount of revenue receipts.
- (b) Total amount of capital receipts.
- (c) The amount of money that the Government has to borrow.
- (d) Total amount of estimated Government expenditure.

100. Which aircraft carrier was formally inducted into the Indian Navy by Prime Minister Narendra Modi in the year 2014?

- (a) INS Vikrant
- (b) INS Vikramaditya
- (c) INS Viraat
- (d) INS Chakra