

RRB NTPC Previous Year Paper 04

Q1. The Make In India Logo is made up of what?

- (a) Lion made of Cogs
- (b) Eagle Made of Steel
- (c) Chakra Made of Cotton
- (d) Tiger Made of Khadi

Q2. The median of the following numbers arranged in ascending order is 2.5, if so find x?

0, 0, 1, 1, 2, 2, x, 3, 3, 4, 5, 7,

- (a) 2
- (b) 3
- (c) 4
- (d) 0

Q3. How do Indians celebrate Holi?

- (a) By playing pranks on each other
- (b) By throwing coloured powder and water on each other
- (c) By Lighting Lamps
- (d) By setting pigeons free

Q4. X is the only daughter of Y's grandfather's only son. Y's grandfather has only one child. How is X related to Y?

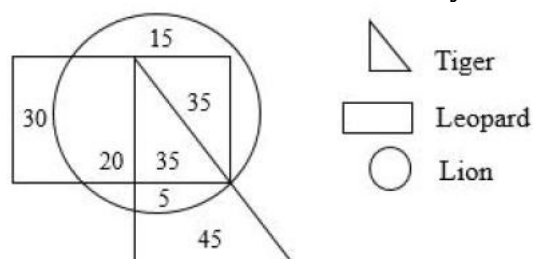
- (a) Mother
- (b) Sister
- (c) Paternal Aunt
- (d) Grandmother

Q5. In Indian sport what does HIL stand for?

- (a) Himachal Indian Lions
- (b) Haryana Indus League
- (c) Hockey India League
- (d) Hyderabad India League

Directions (6-8): Study the following diagram and answer questions based on it.

The diagram represents the likes of children in a society.



Q6. The difference between children who like leopard to those who like tiger is

- (a) 50
- (b) 35
- (c) 30
- (d) 5

Q7. How many children like both lion and leopard?

- (a) 35
- (b) 55
- (c) 90
- (d) 95

Q8. How many children who like lion, also like the tiger?

- (a) 5
- (b) 15
- (c) 35
- (d) 40

Q9. Find the missing (?) in the series

50, 49.5, ?, 45.5, 42, 37.5,

- (a) 49
- (b) 48
- (c) 47.5
- (d) 46

Q10. Malgudi Days is based on the works of which Indian Writer?

- (a) Shankar Nag
- (b) R. K. Lakshman
- (c) R.K. Narayan
- (d) Girish Karnad

Q11. Statements followed by some conclusions are given below.

Statements:

1. Employees are well paid.
2. Rajan earns well.

Conclusions:

- I. Rajan is an employee.
- II. Rajan is self-employed.

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.

Q12. At what time did India Gain Independence of 15th August 1947?

- (a) Morning
- (b) Midevening
- (c) Midnight
- (d) Noon

Q13. A train having a length of 500 m passes through a tunnel of 1000 m in 1 minute. What is the speed of the train in Km/hr?

- (a) 75 Km/hr
- (b) 90 Km/hr
- (c) 87 Km/hr
- (d) 96 Km/hr

Q14. What is the science or art of designing and accelerating projectiles so as to achieve a desired performance called?

- (a) Ballistics
- (b) Catapulting
- (c) Ejection
- (d) Rocket Science

Q15. Find the similarity in the following:

Orange, Peach, Olive, Carmine

- (a) All of them are fruits.
- (b) All of them are names of seasons.
- (c) All of them are colours.
- (d) All of them are shades of orange.

Q16. What does WLAN stand for?

- (a) Wireless Local Area Network
- (b) Wide Local Area Network
- (c) Wind Light Atmospheric Nature
- (d) Wireless Local Area Node

Q17. What does "Bicameral Legislature" mean?

- (a) Legislators are divided into 4 separate assemblies
- (b) Legislators are grouped as 1 assembly
- (c) Legislators are divided into 2 separate assemblies
- (d) Legislators are divided into 8 separate assemblies

Q18. Find the missing (?) in the series

....., HG, IJ, LK, MN, ?,

- (a) OP
- (b) PO
- (c) QP
- (d) PQ

Q19. A small shop owner keeps inventory satisfying the following criteria-

1. Shampoo sachets that are priced between Rs. 4 and Rs. 10 per sachet.
2. Chocolates in the price range of Re. 1 and Rs. 60 per piece.
3. Dry fruits priced more than Rs. 125 per 100 grams.

Q4. Milk packets in the price range of Rs. 21 and Rs. 29 per litre.

Which list among the following will definitely NOT be found in his shop?

(a) Shampoo A at Rs. 4 per sachet, chocolate B at Rs. 1.5 per piece and dry fruit C, at Rs. 250 per 125 gram.

(b) Shampoo P at Rs. 5 per sachet, milk packet Q at Rs. 23 per litre and dry fruit R at Rs. 150 per 100 gram.

(c) Shampoo X at Rs. 5 per sachet, chocolate Y at Rs. 1 per piece and dry fruit Z at Rs. 100 per 100 gram.

(d) Shampoo L at Rs. 4 per sachet, milk packet M at Rs. 24.5 per packet, and chocolate N at Rs. 35 per piece and dry fruit O at Rs. 350 per 200 gram.

Q20. Which is the most abundant combustible natural gas?

(a) Propane

(b) Methane

(c) Ethane

(d) Butane

Q21. Which among the following is the Largest Freshwater Lake in India?

(a) Dal Lake

(b) Thol Lake

(c) Pushkar Lake

(d) Wular Lake

Q22. Manu sold a dozen watches for Rs. 1454.64 per watch and made a profit of 16%. Find the cost price of the watches?

(a) 1254.00

(b) 1362.36

(c) 15048.00

(d) 16348.32

Q23. The famous camel trading event is a part of this annual fair.

(a) Udaipur Mela

(b) Thar Mela

(c) Kumbh Mela

(d) Pushkar Mela

Q24. What is the rate of change of position of an object with respect to a frame of reference, which is a function of time called?

(a) Mechanics

(b) Vector

(c) Velocity

(d) Magnitude

Q25. If DELHI is QRYUV, then BOMBAY is

(a) OBZNOL

(b) OZBNOL

(c) OZBONL

(d) OBZONL

Q26. If GOING is 38253 and CASUAL is 409106, then LOGICAL is

- (a) 6034286
- (b) 6834206
- (c) 6032486
- (d) 6832406

Q27. Manju takes 16 days to complete a work. If she works with her friend Jenny they complete it in 12 days. How many days will it take for Jenny to complete the work alone?

- (a) 48
- (b) 32
- (c) 36
- (d) 24

Q28. Solve: $10^9 \times 10^2 \div 10^3$

- (a) 10^8
- (b) 10^6
- (c) 10^2
- (d) 10^5

Q29. If the circumference of a circle is 22 cm, find the area of the semicircle.

- (a) 38.5 sq.cm
- (b) 19.25 sq.cm
- (c) 44 sq.cm
- (d) 77 sq.cm

Q30. Find the interest on Rs. 25000 at 12% p.a compounded annually for 3 years.

- (a) 9,000
- (b) 9,833.40
- (c) 10,123.20
- (d) 10,678.90

Q31. The LCM and HCF of 2 numbers are 168 and 6 respectively. If one of the numbers is 24, find the other.

- (a) 36
- (b) 38
- (c) 40
- (d) 42

Q32. Seeta said, "Ram's only brother is the father of my son's father".

How is Ram's brother related to Seeta's son?

- (a) Father
- (b) Grandfather
- (c) Maternal Uncle
- (d) Paternal Uncle

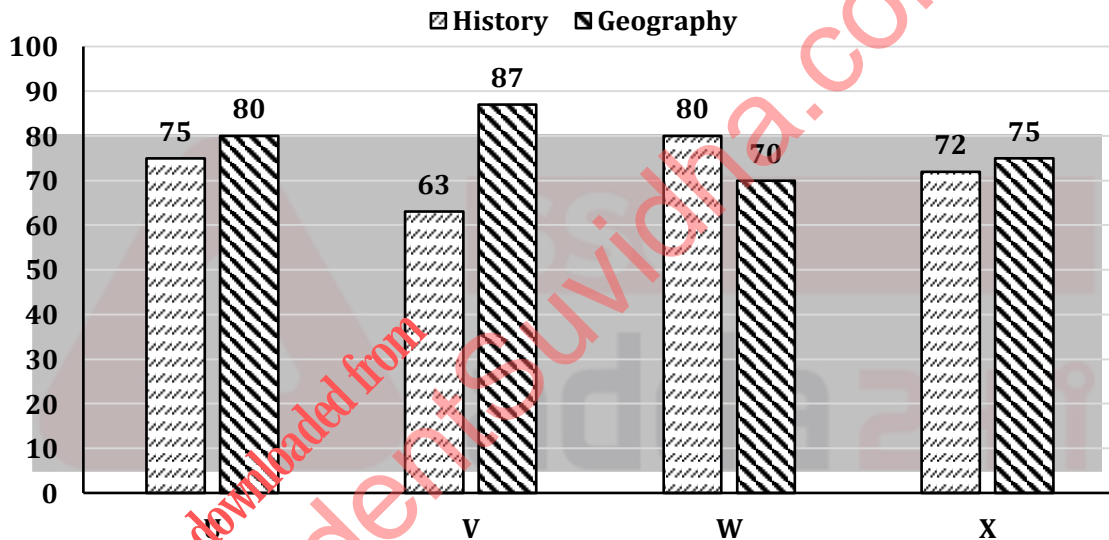
Q33. 78 books, 114 crayons and 141 notebooks were distributed to school children equally. It was found that 6 were left undistributed in each. What was the total number of children?

- (a) 9
- (b) 8
- (c) 13
- (d) 12

Q34. What are Vivipara?

- (a) Vertebrates that are born live
- (b) Type of cactus
- (c) Type of algae
- (d) Type of yeast

Directions (35-37): The bar chart represents percentage marks scored by four students U, V, W and X in History and Geography. Consider the bar chart and answer questions based on it.



35. Who scored the highest percentage in both the subjects combined?

- (a) Both V and W
- (b) V
- (c) W
- (d) U

Q36. What is the percentage of marks obtained in Geography and History together by W ?

- (a) 75.8%
- (b) 80%
- (c) 77.5%
- (d) 75%

Q37. What is the average percentage marks obtained in History by all students?

- (a) 78%
- (b) 75%
- (c) 72.5%

Q38. If $A^{x+y} = a^6$ and $x > y$ by 2 find x .

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

Q39. What is a Limerick?

- (a) A Type of Lime Stone
- (b) A form of poetry mostly in five-lines
- (c) A type of Theatre Play
- (d) A type of Word game

Q40. If Annual: One year, then Quinquennial: _____

- (a) Five years
- (b) Ten years
- (c) Hundred years
- (d) Thousand years

Q41. Andromeda is a

- (a) Galaxy neighboring the Milky way
- (b) Planet
- (c) Name of a black hole
- (d) Comet

Q42. Whose quote is "In practice of tolerance, one's enemy is the best teacher"?

- (a) Gautama Buddha
- (b) Mahatma Gandhi
- (c) Barack Obama
- (d) The Dalai Lama

Q43. What is Shigmo?

- (a) A Goan Spring Festival
- (b) The tallest peak in Nilgiris
- (c) A type of Rangoli
- (d) One of the Names of Lord Shiva

Q44. In computers, what does Yosemite, Mavericks, Mountain Lion, Lion, Snow Leopard, Leopard, Tiger, Panther, Jaguar, Puma and Cheetah stand for?

- (a) versions of Mac OS X
- (b) Types of Storage Servers
- (c) Macintosh Clones
- (d) PowerBooks

Q45. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.

- (a) ENNI
- (b) NEO
- (c) EPPI
- (d) REETH

Q46. Solve: $\frac{12}{13} \times \frac{285}{96} \div \frac{171}{169} = ?$

- (a) $3\frac{2}{3}$
- (b) $\frac{65}{24}$
- (c) $\frac{7}{8}$
- (d) $\frac{11}{24}$

Q47. LIGO, Laser Interferometer Observatory was recently in the news. Why?

- (a) Discovery of water in Mars
- (b) Discovery of a diamond-filled star
- (c) Detection of Gravitational waves
- (d) Proving Big Bang theory as wrong

Q48. In which century did Portuguese merchants first land in Goa?

- (a) 14th
- (b) 15th
- (c) 16th
- (d) 17th

Q49. In 1999 who was the Prime Minister of Pakistan who was overthrown by a Military coup led by General Pervez Musharraf?

- (a) Zulfikar Ali Bhutto
- (b) Zia ul-Haq
- (c) Nawaz Sharif
- (d) Yusuf Raza Gilani

Q50. What is C_6H_6 ?

- (a) Chloroform
- (b) Hydro Chloric Acid
- (c) Benzene
- (d) toluene

Q51. What is Oneirology, the study of?

- (a) Gods
- (b) Dreams
- (c) Sleep
- (d) Colour

Q52. Which was the host city of the first modern summer Olympic games held in 1896?

- (a) Athens
- (b) Paris
- (c) London
- (d) Amsterdam

Q53. I take a book from a library containing 378 pages to be returned in a week's time. If I can read 14 pages an hour for three hours daily, for how long should it be renewed so that the book can be fully read?

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

Q54. Carl Sagan was

- (a) An American astronomer
- (b) British Physicist
- (c) French Astronaut
- (d) American President

Q55. Eggs sold by a shopkeeper over a week is given in the table below.
Eggs sold in dozens

Day	Sales in dozen
Sunday	12
Monday	8
Tuesday	11
Wednesday	5
Thursday	9
Friday	10
Saturday	10

If the price of one egg was Rs. 2.50, how much more did he earn on Friday than on Monday?

- (a) 55 rupees
- (b) 60 rupees
- (c) 45 rupees
- (d) 62 rupees.

Q56. The man of the marks scored by 12 students of a class is 67.4. If the mean of another class consisting of 15 students is 72.3, find their combined mean?

- (a) 70.12
- (b) 69.85
- (c) 71.23
- (d) 68.94

Q57. If GUITAR = HTJSBQ, then VIOLIN = _____

- (a) WHPKHM
- (b) WHPKJM
- (c) WHKPHM
- (d) WHKPJM

Q58. A man walks at a certain speed and reaches his destination which is 6 km in 1 hr 40 minutes. If he runs the same distance in 1 hour 20 minutes what is the difference in speed?

- (a) 1 km/hr
- (b) 0.9 km/hr
- (c) 1.5 km/hr
- (d) 1.9 km/hr

Q59. What is "Binary Electronic Sequence Calculator" (BESK), created in 1953?

- (a) Electronic computer
- (b) Analogous Computer
- (c) Digital Computer

Q60. Find $\sin (90^\circ - \theta)$

- (a) $\cos 90^\circ$
- (b) $1/2$
- (c) 1
- (d) $\cos \theta$

Q61. What is India's famous comic series started by Anant Pai called?

- (a) Raj Comics
- (b) Amar Chitra Katha
- (c) Tinkle
- (d) Chandamama

Q62. Find $(x+y)^2 - (x-y)^2$?

- (a) $2x^2y^2$
- (b) $4xy$
- (c) $2x^2+2y^2$
- (d) x^2-y^2+2xy

Q63. The area of a rectangle is 42 sq. cm and its length is 7cm. Find its perimeter.

- (a) 14 cm
- (b) 21 cm
- (c) 26 cm
- (d) 24 cm

Q64. If by selling 20 cycles Vinay incurs a loss equal to the selling price of 2 cycles, find his loss percentage.

- (a) 10%
- (b) 11%
- (c) $13\frac{1}{3}\%$
- (d) $9\frac{1}{11}\%$

Q65. Read the following and answer the question based on it.

Protein are used by the body for energy, metabolism, gene growth and maintance. 10 to 35 percent of the daily calorie intake should ideally consist of proteins. They are found in all cells of the body. Hair and nail are made up of a protein called keratin, having Sulphur bonds. Curlier hair has more Sulphur links. Too much intake of proteins can sometimes lead to body weight. Proteins_____

- (a) Are to used by the body for any of its functions.
- (b) Are required by the body in adequate quantities.
- (c) Makes hair shiny, lengthy and black.
- (d) Do not cause weight gain.

Q66. Consider the following information and answer questions based on it.

Five pickles – mango, lime, tomato, gooseberry and garlic are kept in five jars, in a row, in a random order, from left to right.

1. Gooseberry is not on either extremes.
2. There is one jar between mango and garlic.
3. Tomato is placed on the left side of lisme.

4. The second jar from the left contains garlic.
There are two jars between which of the following-
- (a) Lime and Gooseberry
 - (b) Gooseberry and Tomato
 - (c) Mango and Lime
 - (d) Tomato and Mango

- Q67.** Lime is in the _____ jar from left.
- (a) Fifth
 - (b) Fourth
 - (c) Third
 - (d) First

- Q68.** The middle jar contains
- (a) Mango
 - (b) Tomato
 - (c) Gooseberry
 - (d) Lime

- Q69.** What is an interstellar cloud of dust, hydrogen, helium and other ionized gases called?
- (a) Galaxy
 - (b) Supernova
 - (c) Nebula
 - (d) Black Hole

- Q70.** Where is the mosque, Adhai din ka Jhonpra located?
- (a) Agra
 - (b) Ajmer
 - (c) Ahmedabad
 - (d) Mt. Abu

- Q71.** What is the official language in Bhutan?
- (a) English
 - (b) Hindi
 - (c) Dzongkha
 - (d) Khmer

- Q72.** If the mathematical operator '+' means '×', '÷' means '-', '-' means '+' and '×' means '÷', find the value of $1 \times 2 + 6 - 2 \div 7$
- (a) 2
 - (b) -2
 - (c) 3
 - (d) -1

- Q73.** When did Sikkim become a state of India?
- (a) 1975
 - (b) 1973
 - (c) 1972
 - (d) 1950

Q74. What does PNR stand for?

- (a) Public Number in Railway
- (b) Passenger Name Record
- (c) Passenger Number Reservation
- (d) Priority Number in Reservation

Q75. A politician distributed 285 kg of sugar among the people of a village counting 1487. Find out how much sugar does each person get.

- (a) 1.91 kg
- (b) 191 kg
- (c) 0.191 kg
- (d) 19.1 kg

Q76. A sum borrowed at 6% p.a earns an interest which is $\frac{1}{3}$ rd of its principal in x years. Find x.

- (a) $5\frac{5}{9}$
- (b) $4\frac{2}{9}$
- (c) $6\frac{3}{7}$
- (d) $5\frac{3}{4}$

Q77. +91 is the country calling code for which nation?

- (a) Canada
- (b) U.S.A
- (c) India
- (d) China

Q78. What plant has the scientific name Solanum Tuberosum?

- (a) Potato
- (b) Tomato
- (c) Pumpkin
- (d) Onion

Q79. Which signs should be interchanged if the equation below needs to be true?

$$2 \div 16 - 2 + 6 \times 1 = 0$$

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

Q80. Who is called India's Child Surgeon?

- (a) Akrit Pran Jaswal
- (b) Tathagat Avtar Tulsi
- (c) Nischal Narayanam
- (d) Sudhma Verma

Q81. Yash sells vegetables at 40 per kg and incurs a loss of 10%. If the total loss incurred is 144, what is the weight of vegetables sold? (Rounded off)

- (a) 36 kg
- (b) 32.40 kg
- (c) 35 kg
- (d) 39.2 kg

Q82. Name the inter-governmental organization to promote international co-operation?

- (a) NATO
- (b) UN
- (c) WHO
- (d) IGO

Q83. 1.08 tonne = ? kg

- (a) 10800
- (b) 108
- (c) 1080
- (d) 1.08

Q84. Looking at a photo, Anand said, "This man is the eldest son of my father's mother-in-law". How is Anand's mother related to this man?

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

Q85. An assertion (A) and a reason (R) are given below.

Assertion (A): Leaves are green in colour.

Reason (R): Chlorophyll, a green pigment is present in leaves.

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

Q86. What is the opposite of Dharma?

- (a) Adharma
- (b) Karma
- (c) Moksha
- (d) Maya

Q87. A statement followed by some conclusions are given below.

Statement: The price of pulses has increased steeply.

Conclusions:

I. People cannot buy pulses.

II. Pulses have become a rare commodity.

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

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

Q88. Who has never been a Vice President of India?

- (a) Mohammad Hamid Ansari
- (b) A P J Abdul Kalam
- (c) Ramaswamy Venkataraman
- (d) Shankar Dayal Sharma

Q89. Solve: $1 + \tan^2 \theta = ?$

- (a) $\cos^2 \theta$
- (b) $\sec^2 \theta$
- (c) $\tan^2 \theta$
- (d) 2

Q90. If x is an even number, what is the consecutive odd number?

- (a) $x-1$
- (b) $x+1$
- (c) $x+2$
- (d) $x-2$

Q91. Select the alternative that shows a similar relationship as the given pair-

Truthful : Honest

- (a) Notwithstanding : Nevertheless
- (b) Including : Excluding
- (c) Winning : Losing
- (d) Procuring : Disposing

Q92. Four pairs of words are given. Find the odd one out.

- (a) Ear : Hearing
- (b) Tongue : Taste
- (c) Mouth : Speech
- (d) Light : Vision

Q93. If INSECT = @&*!#\$ and OR = %?, then CISTERS = _____

- (a) #@*\$!%&
- (b) #@*\$?!&
- (c) #@*\$!?!&
- (d) #@*\$%!&

Q94. How many litres of water can be stored in a tank of 1m length, $\frac{1}{2}$ m breadth, and $\frac{1}{2}$ m tall?

- (a) 25,000
- (b) 250
- (c) 25
- (d) 2,500

Q95. What was recently discovered hidden under ice in Antarctica?

- (a) A massive mountain range
- (b) A lost Kingdom
- (c) A massive canyon system and lake
- (d) A huge Dinosaur Skeleton

Q96. Jane won a lottery and gets $\frac{1}{3}$ rd of the winning amount and donates Rs. 6000 which is $\frac{1}{6}$ th, find how much the lottery was worth.

- (a) 36000
- (b) 18000
- (c) 54000
- (d) 108000

Q97. Find the difference between the place value and face value of the digit 9 in the number 229301?

- (a) 9292
- (b) 8991
- (c) 0
- (d) 220

Q98. The sum of two numbers is 437 and their product is 21982. Find the numbers.

- (a) 399 and 38
- (b) 295 and 142
- (c) 58 and 379
- (d) 323 and 114

Q99. What is the gravitational force exerted on a mass called?

- (a) Stress
- (b) Inertia
- (c) Weight
- (d) Work

Q100. A bank agrees to lend a loan to Arvind of Rs. 2,38,75,697 which falls short by 17% for starting his business. How much more loan would he need?

- (a) 4890203
- (b) 4375303
- (c) 5700108
- (d) 5125533

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