## RRB NTPC Paper [3rd April 2016, Shift 2]

**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?**

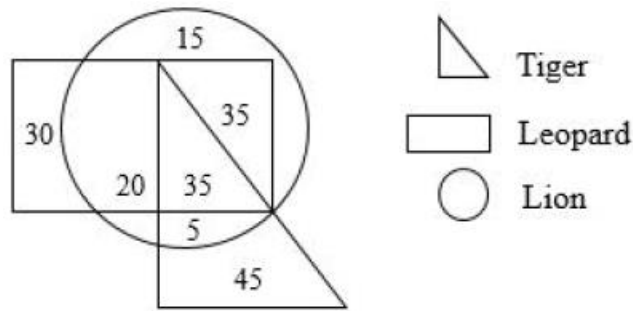(a) Himachal Indian Lions

(b) Haryana Indus League

(c) Hockey India League

(d) Hyderabad India League

**Direction( 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.**
**4. 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

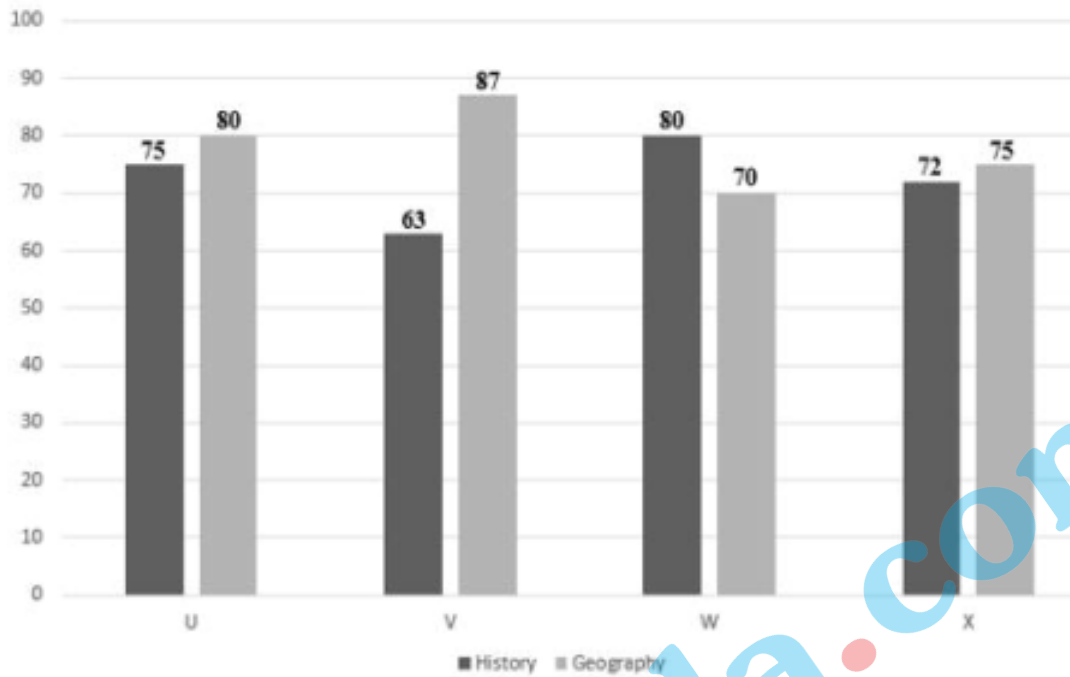(c) Maternal Uncle

(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

**Direction (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.



**Q35. 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%
(d) 70%

**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 pak 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

TEST SERIES
Bilingual

RRB NTPC
CBT 1 + CBT 2

100+ TOTAL TESTS

**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) Zulfiqar 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 red 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

(d) A Banker's Calculator

**Q60. Find sin (90°–θ )**

(a) cos 90°

(b) 1/2

(c) 1

(d) Cos θ

**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 × 2 + 6 − 2 ÷ 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 1/3rd 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) × and −

(b) − and +

(c) − and ÷

(d) + and ×

**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.

Rind 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, ½ m breadth, and ½ 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 1/3ʳᵈ of the winning amount and donates Rs. 6000 which is 1/6ᵗʰ, 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