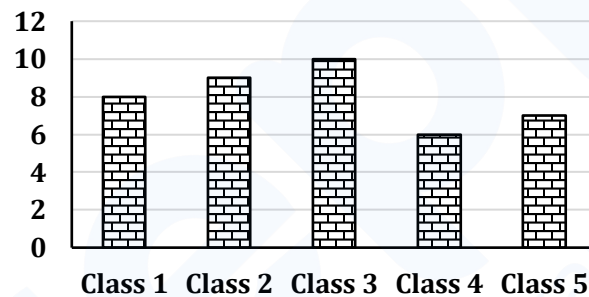# RRB NTPC Previous Year Paper 03

Q1. What among the following is FALSE about the Richter scale?
(a) It was developed by Charles Richter and Gutenberg in 1935.
(b) It is a logarithmic scale
(c) It can be measured using a seismometer
(d) Magnitude of 8-9 on a Richter scale means it is a micro earthquake.

Q2. Following figure shows the number of 5 students in Mathematics out of 10 marks

How much more marks did student 3 & 5 got than 4 & 1?
(a) 2
(b) 1
(c) 3
(d) 4

Q3. Which device converts digital signal into analog signal?
(a) WiFi
(b) Modem
(c) Port
(d) USB

Q4. If N:38:: 3:57, Find N.
(a) 2/3
(b) 1/3
(c) 3
(d) 2

Q5. The distance between two points A and B is covered in $5\frac{1}{2}$ hours at a speed of 50 km/hr. If the speed in increased by 5km/hr, how much time would be saved?
(a) 5 minutes
(b) 15 minutes
(c) 50 minutes
(d) 30 minutes

Q6. If x=7−4 $\sqrt{3}$ find the value of $\sqrt{x} + \frac{1}{\sqrt{x}}$
(a) 0
(b) 1
(c) 4
(d) −4

Q7. Which is India's longest river that does not flow into the sea?
(a) Ganga
(b) Jamuna
(c) Tapti
(d) Kaveri

Q8. What is the most cultivated crop in India?
(a) Ragi
(b) Wheat
(c) Corn
(d) Rice

Q9. In which city is the value of Gold determined?
(a) California
(b) Sydney
(c) Rome
(d) London

Q10. Find the similarity in the following:
Elephant, Camel, Buffalo, Giraffe
(a) The milk produced by all of them cannot be consumed by people.
(b) All of them have horns.
(c) None of them are mammals.
(d) The young ones of all of them are called calf.

Q11. If y = $\frac{2x-1}{x+3}$, find x when y = 1
(a) 4
(b) −4
(c) 3/2
(d) 4/3

Q12. Which vitamin among the following is crucial for blood clotting?
(a) Vitamin K
(b) Vitamin D
(c) Vitamin A
(d) Vitamin E

Q13. If the mathematical operators, '+' and '×' are interchanged, what will be the value of the equation 9÷5+10−23×2
(a) 3
(b) 2
(c) −3
(d) −5

Q14. A wire is in the shape of a rectangle. Its length is 42.7m and breadth is 21.8m. If the same wire is re-bent in the shape of a square, what will be the measure of the side of the square?
(a) 16.125
(b) 32.25
(c) 11.35
(d) 22.70

Q15. According to the Swachh Bharat 2015 survey, which is the cleanest city in India?
(a) Chennai
(b) Delhi
(c) Ahmedabad
(d) Mysore

Q16. Which is the most peaceful country according to the 2015 Global Peace Index?
(a) Iceland
(b) Bhutan
(c) Austria
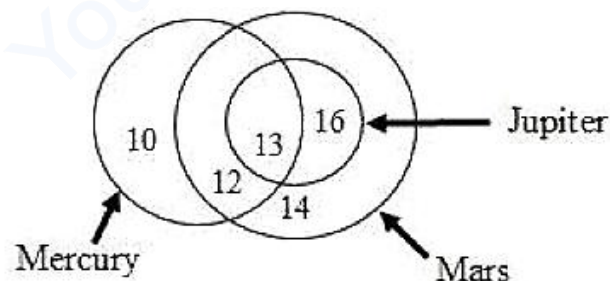(d) New Zealand

Q17. Where did the Chipko movement begin?
(a) Rajasthan
(b) Assam
(c) Arunanchal Pradesh
(d) Mozoram

Q18. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.
(a) ORIN
(b) NADS
(c) POPCER
(d) DLOG

Direction (19-21): Study the following diagram and answer questions based on it.
The diagram represents the likes of kids of a class.

Q19. The ratio of kids who like only Mars to those who like all the three is
(a) 7/5
(b) 7/8
(c) 7/6
(d) 14/13

Q20. What is the difference between the kids who like Mercury and Jupiter?
(a) 6
(b) 8
(c) 10
(d) 12

Q21. How many people who like Mars like Jupiter also?
(a) 45
(b) 29
(c) 26
(d) 13

Q22. Name the capital of Uganda?
(a) Mogadishu
(b) Kampala
(c) Lusaka
(d) Bulenga

Q23. What is Madhubani art?
(a) The art of Storytelling
(b) The art of Gujarat
(c) A folk art practiced in Bihar
(d) The art of honey extraction

Q24. What is 'Planet Nine'?
(a) A planet in the Comet Galaxy
(b) A planet in Andromeda Galaxy
(c) A planet where the 'Star Wars' series took place
(d) A large icy planet proposed in the outer Solar System

Q**25.** Which is NOT an Operating System?
(a) OS X
(b) Windows 7
(c) DOS
(d) C++

Q26. What is the smallest number of 5 digits which is exactly divisible by 12, 24, 48, 60 and 96?
(a) 10000
(b) 10024
(c) 10160
(d) 10080

Q27. Find the cost in rupees for carpeting a room 65dm× 30 dm at Rs. 45 per sq.m
(a) 877.50
(b) 87750
(c) 87.75
(d) 8775

Q28. What is most common treatment for bacterial infections in humans?
(a) Aspirin
(b) Antibodies
(c) Antibiotics
(d) Antigen

Q29. The ratio of ages of Jai and Joy is 5:2. The sum of their ages is 63. After 9 years what will be the ratio of their ages?
(a) 5:2
(b) 2:1
(c) 3:2
(d) 4:3

Q30. By selling 90 chocolates for Rs. 160, a chocolate trader loses 20%. How many chocolates should he sell for Rs. 96 to make a profit of 20%?
(a) 45
(b) 36
(c) 54
(d) 28

Q31. What is an archipelago?
(a) Group, chain, cluster or collection of Islands
(b) The meeting of Land and Sea
(c) An Architect's paradise
(d) A type of Church

Direction (32-34): Six animals-horse, cow, pig, dog, donkey and goat are tied to a pole each, in a circle, facing each other, in random order.
Consider the following information and answer the questions based on it.
1. Goat is to the immediate right of pig.
2. Cow is not tied next to either donkey or dog.
3. If the animals mark the vertices of a hexagon, then the horse is diagonally opposite to the pig.

Q32. The cow is tied to the immediate left of
(a) Goat
(b) Pig
(c) Horse
(d) Dog

Q33. Which pair is tied next to each other?
(a) Horse and Goat
(b) Pig and Cow
(c) Goat and Dog
(d) Donkey and Dog

Q34. Which animal is tied to the immediate left of pig?
(a) Goat
(b) Donkey
(c) Dog
(d) Cannot be determined

Q35. Who is Sabari Karthik?
(a) Indian karate player
(b) Rugby player
(c) Cricket Player
(d) Kabaddi Player

Q36. Which among the following is popularly called Laughing Gas?
(a) Nitric oxide
(b) Nitrogen dioxide
(c) Nitrous oxide
(d) Nitrogen peroxide

Q37. Four pairs of words are given. Find the odd one out.
(a) 65th anniversary : Diamond Jubilee
(b) 50th anniversary : Golden Jubilee
(c) 40th anniversary : Ruby Jubilee
(d) 25th anniversary : Silver Jubilee

Q38. A lady wants to buy the following items in the given price range–
1. Tomato between Rs. 40 and Rs. 45 per kg.
2. Grapes in the price range of Rs. 80 and Rs. 90 per kg.
3. Milk packets at Rs. 23 per litre.
In which shop from the following will she definitely get all her items?
(a) Shop S sells tomato at Rs. 22.5 per half kg, grapes at Rs. 82 per kg and milk at Rs. 24 per litre.
(b) Shop H sells grapes at Rs. 21 per quarter kg, milk at 12.5 per half litre and tomato at Rs. 22 per half kg.
(c) Shop O sells milk at Rs. 11.5 per half litre, tomato at 21 per half kg and grapes at Rs. 43 per half kg.
(d) Shop P sells tomato at Rs. 23.5 per half kg, grapes at Rs. 85 per kg and milk at Rs. 23 per litre.

Q39. What did M. S. Swaminathan an Indian geneticist, play a leading role in?
(a) Yellow Revolution
(b) White Revolution
(c) Green Revolution
(d) Black Revolution

Q40. What is the mean of the marks scored by students in a science exam?
41, 39, 52, 48, 54, 62, 46, 52, 40, 96, 42, 40, 98, 60, 52
(a) 54.8
(b) 58.4
(c) 53.4
(d) 53.8

Q41. Simplify: $(-4.6) \times (-4.6) \div (-4.6 + 0.6)$
(a) –5.29
(b) –0.529
(c) –4.06
(d) 5.01

Q42. Indian currency notes are printed in which place?
(a) New Delhi
(b) Bombay
(c) Nashik
(d) Agra

Q43. The price of $4\frac{1}{2}$ m of cloth is Rs. $60\frac{3}{4}$. Find the cost per meter.
(a) $15\frac{1}{2}$
(b) $13\frac{1}{2}$
(c) $14\frac{3}{4}$
(d) $13\frac{3}{4}$

Q44. What is the number of Galilean moons of Jupiter discovered by Galileo Galilei in January 1610?
(a) 2
(b) 3
(c) 4
(d) 5

Q45. Mica is available abundantly in which state?
(a) West Bengal
(b) Madhya Pradesh
(c) Bihar
(d) Goa

Q46. If X = 24 and BE = 7, then RING = ?
(a) 41
(b) 47
(c) 48
(d) 49

Q47. The product of two consecutive odd numbers is 399. Find the lower of them.
(a) 17
(b) 19
(c) 21
(d) 23

Q48. Between which stations does India's longest train run?
(a) Kanyakumari – Baramulla
(b) Dibrugarh - Naliya
(c) Dibrugarh – Kanyakumari
(d) Thiruvanathapuram - New Delhi

Q49. Which of the following statements regarding the Supreme Court of India is not correct?
(a) It acts as the guardian of the liberties of the people of India.
(b) It acts as the guardian of the Constitution.
(c) It acts as the protector of the Directive Principles of State Policy.
(d) It has final power to investigate disputes regarding election of the President and the Vice-President.

Q50. What is The Siberian ibex?
(a) Mountain Lions
(b) Large and heavily built goats
(c) Mountain Deer
(d) A type of Horse

Q51. Cost price of 25 chairs equals the selling price of 20 chairs. Find the profit %.
(a) 20%
(b) 33%
(c) 25%
(d) 12.5%

Q52. A trader marks his goods at 20% above cost price. If he allows a discount of 5% what is his final profit%?
(a) 12%
(b) 14%
(c) 15%
(d) 18%

Q53. What is Swadeshi?
(a) Made in India, from materials that have also been produced in India
(b) Made in Foreign Lands from materials that are foreign
(c) A charkha that is used to spin cotton wool
(d) A Country Flag that is made of Cotton

Q54. Which among the following happens in an oxidation reaction?
(a) Electrons are gained
(b) Electrons are lost
(c) Protons are gained
(d) Protons are lost

Q55. Where is the Masai Mara National Reserve?
(a) Mali
(b) Kenya
(c) Gabon
(d) Zambia

Q56. Find the compound interest to the nearest rupee on Rs. 7500
for 2 years 4 months at 12% p.a reckoned annually?
(a) 2284
(b) 2176
(c) 2097
(d) 2235

Directions (57-59): The following table represents the percentage marks of four students in six subjects. Consider the table and answer questions based on it.

Student	Maths	Science	History	Geography	English	Hindi
Shamita	75	80	65	68	75	65
Smita	80	85	75	65	70	70
Shilpa	82	88	70	69	71	70
Sheela	78	87	65	70	75	74

Q57. The average marks obtained by the students in Geography and History are
(a) 68.75 and 68
(b) 70.5 and 69
(c) 68 and 68.75
(d) 68.75 and 68.5

Q58. Average marks obtained in Science is higher than that of Maths by
(a) 1.5
(b) 20
(c) 6.25
(d) 40

Q59. Who has the highest total marks?
(a) Shamita
(b) Smita
(c) Shilpa
(d) Sheela

Q60. If cos θ + sin θ =m, sec θ + cosec θ =n, what is m/n?
(a) 1
(b) sin θ cos θ
(c) sec θ cosec θ
(d) cot θ tan θ

Q61. M is the son of N. O is the father of N. P is the father of M. How is N related to P?
(a) Wife
(b) Husband
(c) Father
(d) Mother

Q62. What is Sepak Takraw?
(a) A Bird
(b) An ancient hunting team in Malaysia
(c) Kick Volleyball
(d) A Type of Combat Flight

Q63. X, Y and Z take 18 days to complete a piece of work. If X works alone he finishes the work in 36 days and if Y works alone he finishes it in 60 days. How long will it take Z to complete the work alone?
(a) 78 days
(b) 90 days
(c) 96 days
(d) 114 days

Q64. Which is the capital of Sri Lanka?
(a) Colombo
(b) Kandy
(c) Jayawardenepura Kotte
(d) Anuradhapura

Q65. Solve: $\frac{\sin \theta}{1+\cos \theta} + \frac{1+\cos\theta}{\sin\theta} =$?
(a) $\tan \theta$
(b) $\cot \theta$
(c) $\frac{2}{\sin \theta}$
(d) $\frac{2}{\cos \theta}$

Q66. The Panchatantra fables are thought to be composed by
(a) Mullah Nasruddin
(b) Vishnu Sharma
(c) King Sudhrashan
(d) Tenali Raman

Q67. What was the code name of the nuclear tests conducted by India in Pokhran in 1998?
(a) Operation Desert Storm
(b) Operation Vijay
(c) Operation Shakti
(d) Operation Kaboom

Q68. An assertion (A) and a reason (R) are given below?
Assertion (A): Penguins are birds, found in the hottest regions of the earth.
Reason (R): Birds in hot regions do not have wings.
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) Both A and R are false

Q69. Who is Anjolie Ela Menon?
(a) An Indian politican
(b) Bharatanatyam dancer
(c) A popular musician
(d) Indian Female Artist

Q70. The sum of the digits of a 2 digit number is 9. When 27 is added
to the number, the digits get intercharged. Find the number.
(a) 45
(b) 36
(c) 18
(d) 27

Q71. Find the missing (?) in the series 13, 14, 18, 27, ?, 68, 104 ....
(a) 36
(b) 41
(c) 43
(d) 54

Q72. Kitty said, "Uthara is one of the two daughters of my mother's brother's wife". How is Kitty's mother related to Uthara's sister?
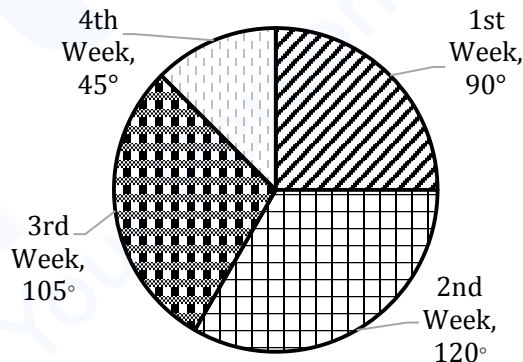(a) Maternal Aunt
(b) Mother
(c) Grandmother
(d) Sister

Q73. One angle of a triangle is 55°. If the other two angles are in the ratio 9:16, find the angles?
(a) 65° and 115°
(b) 90° and 160°
(c) 55° and 165°
(d) 45° and 80°

Q74. Which contemporary painter made a series of paintings on Mahatma Gandhi?
(a) Amrita Shergill
(b) Ram Kinkar
(c) M.F. Hussain
(d) Atul Doliya

Q75. The income of a person has been shown in the pie-chart. If his total income is 3,60,000 rs. Then find the income of his second week.

(a) 90,000 rs
(b) 120,000 rs
(c) 45,000 rs
(d) 105,000 rs

Q76. If HOUSES = GNAYDR, then DIARY = _____
(a) CHGXZ
(b) CHEWZ
(c) CHGXX
(d) CHEWX

Q77. What does "Satyameva Jayate" mean?
(a) "Truth alone triumphs"
(b) "True Faith is Rare"
(c) "Truth is Sivine"
(d) "Truth is a Treasure"

Q78. Malé is the capital of which Country?
(a) Mauritius
(b) Lakshadweep
(c) Maldives
(d) Malaysia

Q79. Select the alternative that does not have a similar relationship as the given pair-
Forward: Backward
(a) Hope : Despair
(b) Love : Hate
(c) Anger : Wrath
(d) Light : Dark

Q80. A statement followed by some conclusions are given below?
 Statement: Religions teach the guiding principles for leading one's life.
 Conclusions:
I. Religion is a way of life.
II. Religion is a teacher.
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.

Q81. If H_2O : Hydrogen, then KOH: _____
(a) Cobalt
(b) Phosphorous
(c) Potassium
(d) Krypton

Q82. Simplify: $\frac{9}{13} \div \frac{18}{26} \div \frac{90}{52}$
(a) 45/26
(b) 13/45
(c) 26/45
(d) 45/13

Q83. Zero degree centigrade is equal to what degree Fahrenheit?
(a) 100°F
(b) 30°F
(c) 34°F
(d) 32°F

Q84. If SHELF is FURYS, then ZEBRA is
(a) NRMEO
(b) MRNEO
(c) NROEM
(d) MROEN

Q85. What is the normal resting heart rate range for adults (beats/min)?
(a) 60 to 100
(b) 50 to 80
(c) 120 to 180
(d) 75 to 120

Q86. Q's father is B's son-in-law. C is Q's sister and the daughter of P. P is the maternal aunt of D. How is P related to B?
(a) Son
(b) Daughter
(c) Grandson
(d) Granddaughter

Q87. Who was the first woman to reach summit of Mt. Everest?
(a) Bachendri Pal
(b) Junko Tabei
(c) Arunima Sinha
(d) Pemlata Agarwal

Q88. 6 carpenters make 96 windows in 16 days. If 8 carpenters work for 4 days how many windows will they make?
(a) 16
(b) 28
(c) 36
(d) 32

Q89. A factory produced 18, 58, 509 cassettes in the month of January, 7623 more cassettes in the month of February and owing to short supply of electricity produced 25, 838 less cassettes in March than in February. Find the total production in all?
(a) 55,57,312
(b) 59,83,245
(c) 55,64,935
(d) 56,08,988

Q90. What is Makar Sankranti?
(a) Solar Eclipse
(b) Lunar Eclipse
(c) Kite Festival
(d) Puppet Show

Q91. Statements followed by some conclusions are given below.
Statements:
 A. Confusion causes mental tension.
 B. Mental tension causes anxiety.

Conclusions:
I. Anxiety is a disease.
II. Confusion leads to anxiety.
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.

Q92. If 'Mango, lemon and melon are fruits' is written as 439516; 'Mango and lemon are yellow' is 04396 and 'Melon is green' is 857, which digit epresents 'melon''?
(a) 5
(b) 8
(c) 7
(d) Cannot be determined

Q93. Find the missing (?) in the series AIQ, BJR, CKS, DLT, ?, ...
(a) ENU
(b) EMV
(c) ENV
(d) EMU

Q94. Sanjay and Jacob start running in opposite directions from the same point at speeds of 7m/s and 5m/s. After 42 minutes, how far would they be from each other?
(a) 30.24 km
(b) 504 km
(c) 8.4 km
(d) 69.5 km

Q95. Which country has joined WTO (World Trade Organisation) as 164th member in 2016?
(a)Phillippines
(b) Liberia
(c) Jordon
(d) Afghanistan

Q96. Find the difference between compound interest and simple interest on 5000 for 2 years at 8% p.a payable annually.
(a) 45
(b) 32
(c) 57
(d) 84

Q97. Solve: 12−[26−{2+5×(6−3)}]
(a) 2
(b) 3
(c) 7
(d) 8

Q98. Abdul prepared 42 litres of medicine and filled it in bottles of 280 ml each. Find how many bottles would be required?
(a) 15
(b) 1500
(c) 150
(d) 300

Q99. The LCM of two consecutive even numbers is 144, find the numbers?
(a) 16 and 18
(b) 14 and 16
(c) 18 and 20
(d) 22 and 24

Q100. The Dibru-Saikhowa, Nameri and Orang National Park are all found in which State?
(a) Andhra Pradesh
(b) Assam
(c) Arunanchal Pradesh
(d) Uttarakhand