

## RRB NTPC Previous Year Paper 12

**Q1.** Ritesh sold a pen for Rs. 36 with a profit of 20%. If it were sold for Rs. 33, then what could be the percentage of profit or loss?

- (a) 10% Profit
- (b) 15% Profit
- (c) 12% Loss
- (d) 18% Loss

**Q2.** Which sport has the highest rank of Yokozuna?

- (a) Sumo wrestling
- (b) Judo
- (c) Jujitsu
- (d) Kendo

**Q3.** Rearrange the jumbled up letters in their natural sequence and find the odd one out.

- (a) SAMR
- (b) MOETC
- (c) USVNE
- (d) PUJIERT

**Q4.** What does UFO stand for?

- (a) Under Fire Object
- (b) Unidentified Flying Object
- (c) Unapproved Foreign Object
- (d) Unidentified Free Object

**Q5.** The height of a light house is 20 meters above sea level. The angle of depression (from the top of the lighthouse) of a ship in the sea is  $30^\circ$ . What is the distance of the ship from the foot of the light house?

- (a) 16 m
- (b)  $20\sqrt{3}$  m
- (c) 20 m
- (d) 30 m

**Q6.** Which queen of Ahmednagar opposed emperor Akbar?

- (a) Rani Durgavati
- (b) Zeenat Mahal
- (c) Chand Bibi
- (d) Razia Sultan

**Q7.** When is International day for Preservation of Ozone layer observed?

- (a) September 16
- (b) July 4
- (c) January 23
- (d) May 1

**Q8.** Who invented the bifocal glasses?

- (a) Thomas Alva Edison
- (b) Benjamin franklin
- (c) Evangelista
- (d) Isaac Newton

**Q9.** Identify the odd one from the list below.

- (a) Snake
- (b) Lizard
- (c) Reptiles
- (d) Crocodile

**Q10.** What denotes learned and shared beliefs and behaviours?

- (a) Culture
- (b) Ethnicity
- (c) Group
- (d) Descent

**Q11.** Who invented the mobile phone?

- (a) Joseph Wilson
- (b) Edwin Land
- (c) Martin Cooper
- (d) John Lloyd Wright

**Q12.** What of the following refers to hypotheses which are confirmed by varied tests?

- (a) Assumption
- (b) Theory
- (c) Answer
- (d) Opinion

**Q13.** What does PDA stand for?

- (a) Personal Data Assistant
- (b) Personal Digital Assistant
- (c) Prime Data Assistant
- (d) Prime Digital Assistant

**Q14.** If the angles of a triangle are in the ratio of 1:4:7, then find the ratio of the greatest angle to the smallest angle.

- (a) 7:2
- (b) 2:3
- (c) 7:1
- (d) 3:5

**Q15.** Name the architect who designed New Delhi.

- (a) Le Corbusier
- (b) Sir Edwin Lutyens
- (c) Andrew Paul
- (d) George Baker

**Q16.** The mean of 10 observations is 17. One more observation is included and the new mean becomes

16. The 11<sup>th</sup> observation is

- (a) 16
- (b) 8
- (c) 6
- (d) 12

**Q17.** Battle of Plassey was fought by the British under the leadership of

- (a) Robert Clive
- (b) Lord Dalhousie
- (c) Warren Hastings
- (d) James Heartly

**Q18.** Arun and Amit can do a piece of work in 9 days and 12 days respectively. If they work for alternate days and Amit starts the work first, then in how many days  $\frac{35}{36}$  parts of whole work will be completed?

- (a) 10 days
- (b) 12 days
- (c) 5 days
- (d) 8 days

**Q19.** Aparna changes the marked price of an item to 50% above its C.P. What % of discount allowed in approximately to gain 10%?

- (a) 27%
- (b) 25%
- (c) 35%
- (d) 37%

**Q20.** A wholesaler purchased 7 hair clips for a rupee. How many for a rupee must he sell to get profit of 40%

- (a) 6
- (b) 5
- (c) 4
- (d) 3

**Q21.** If  $E = 5$ ,  $GUN = 42$  and  $ROSE = 57$ , then what is the value of GATE?

- (a) 23
- (b) 32
- (c) 33
- (d) 35

**Q22.** In which state is the Valley of Flowers National park situated?

- (a) Uttarakhand
- (b) Himachal Pradesh
- (c) Jammu and Kashmir
- (d) Assam

**Q23.** Three numbers are given in which the second is triple the first and is also double the third. If the average of the three numbers is 66, find the first number.

- (a) 36
- (b) 54
- (c) 108
- (d) 72

**Q24.** Pihu and Aayu are running on a circular track of diameter 28 m. Speed of Pihu is 48 m/s and that of Aayu is 40 m/s. They start from the same point at the same time in the same direction. When will they meet again for the first time?

- (a) 8 seconds
- (b) 11 seconds
- (c) 13 seconds
- (d) 14 seconds

**Q25.** Who replaced Alok Kumar Verma as the Delhi Police Commissioner?

- (a) Amulya Patnaik
- (b) Rakesh Maria
- (c) Dattatray Padsalgikar
- (d) Neeraj Kumar

**Direction (26-28);** In the following questions are to be based on the details given below:

A salesman visits 274 houses in a town to find out the views about three products X, Y and Z. He found that 157 use X, 98 use only X, 22 use all the three, 14 use X and Z but not Y, 39 use Y and Z. 48 use only Y

**Q26.** Which product is the most popular one?

- (a) X
- (b) Y
- (c) Z
- (d) Both X and Z

**Q27.** How many use product Z only?

- (a) 10
- (b) 50
- (c) 52
- (d) 25

**Q28.** What fraction used at least two products?

- (a)  $\frac{67}{274}$
- (b)  $\frac{76}{274}$
- (c)  $\frac{73}{274}$
- (d)  $\frac{37}{274}$

**Q29.** A superfast Duronto express running at 90 kmph overtakes a bike running at 36 kmph in 25 seconds. What is the length of the train in meters?

- (a) 375 m
- (b) 225 m
- (c) 275 m
- (d) 325 m

**Q30.** If EFMIJ means DELHI, then the last letter of the word got by decoding. IQBOS is

- (a) R
- (b) T
- (c) K
- (d) M

**Q31.** An Assertion (A) and Reason (R) are given below.

**Assertion (A):** We prefer to wear white clothes in winter.

**Reason (R):** White clothes are good reflectors of heat.

**Choose the correct option.**

- (a) A is true but R is false.
- (b) A is false but R is true.
- (c) Both A and R are true and R is the correct explanation of A.
- (d) Both A and R are true and R is not the correct explanation of A.

**Q32.** Select the pair in which the numbers are similarly related as in the given pair:

9 : 27 :: -----: -----

- (a) 5: 125
- (b) 8 : 64
- (c) 15 : 135
- (d) 81 : 729

**Q33.** How many princely states were there in India at the time of Independence?

- (a) 347
- (b) 490
- (c) 565
- (d) 418

**Q34.** Given that  $x + \frac{1}{x} = 5$ , then find the value of  $5x \div (5x^2 - 10x + 5)$

- (a)  $\frac{1}{3}$
- (b)  $\frac{1}{4}$
- (c)  $\frac{1}{5}$
- (d)  $\frac{1}{11}$

**Q35.** Who is considered as the Father of Modern Indian Renaissance?

- (a) Mahatma Gandhi
- (b) Sardar Vallabhbhai Patel
- (c) Vinoba Bhave
- (d) Raja Ram Mohan Roy

**Q36.** Find the largest number of three digits exactly divisible by 15.

18, 27 and 30.

- (a) 870
- (b) 900
- (c) 810
- (d) 780

**Q37.** Who invented the Band-aid?

- (a) Earle Dickson
- (b) Alan Gant
- (c) Louis Pasteur
- (d) Frank Epperson

**Q38.** If  $(x+1/x) = 2$ , then find the value of  $(x^3+1/x^3) \div (x^{18}+1/x^{18})$

- (a) 2/9
- (b) 5
- (c) 1
- (d) 1/9

**Q39.** Find the approximate simple interest on Rs.2000 from March 9, 2010 to May 21, 2010 at 8.25% per annum.

- (a) Rs 43
- (b) Rs 37
- (c) Rs 33
- (d) Rs 40

**Q40.** The angle of elevation of the top of a tower at a distance of 25 m from its foot is  $60^\circ$ .  
The approximate height of the tower is-

- (a) 20.3 m
- (b) 15.3 m
- (c) 36.3 m
- (d) 43.3 m

**Q41.** Which of the following refers to the number of pixels per inch, printed on a page?

- (a) Print Margin
- (b) Resolution
- (c) Filter
- (d) Colour mode

**Q42.** In which generation of computer was the mechanical language for programming used?

- (a) First
- (b) Second
- (c) Third
- (d) Fourth

**Q43.** Which is the fastest land animal in the World?

- (a) Dog
- (b) Cheetah
- (c) Tiger
- (d) Horse

**Q44.** If @ means +, # means —, \$ means x and \* means  $\div$ , then what is the value of  $16 @ 4 \$ 5 \# 72 * 8 =$

- (a) 27
- (b) 26
- (c) 36
- (d) 35

**Q45.** 4 years ago, the ratio of Vikah's to Rahul's age was 3:5. After 6 years, this ratio would become 4 : 5.

Find present age of Rahul.

- (a) 10
- (b) 15
- (c) 14
- (d) 17

**Q46.** If in a certain code language, PROMOTION is written as 365458957, how will the word MONITOR be written in that code language?

- (a) 4579856
- (b) 4578956
- (c) 4597866
- (d) 4578596

**Q47.** If '+' mean 'multiplication', '-' means 'division', 'x' means 'subtraction' and '÷' means 'addition', the

$9+8\div 8-4\times 9$  is

- (a) 65
- (b) 11
- (c) 26
- (d) 56

**Q48.** Who was the American astronaut who returned to Earth after spending 340 days in International Space Station?

- (a) Scott Kelly
- (b) Mikhail Kornienko
- (c) Eric Boe
- (d) Douglas Hurley

**Q49.** Knife is an example for

- (a) Lever
- (b) Wedge
- (c) Inclined plane
- (d) Pulley

**Q50.** The famous tennis player Steffi Graf belongs to which among the following countries?

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

**Q51.** When two liquids do not mix with each other to form a solution, what is it called?

- (a) Solvent
- (b) Solute
- (c) Immiscible
- (d) Decantation

**Direction (52-54);** Study the following information carefully and answer the questions given below it.

- (i) There are six members in a family in which there are two married couples.
- (ii) Sandhya, a lawyer, is married to the engineer and is mother of Charu and Suraj.
- (iii) Bhuvanesh, the teacher, is married Aruna.
- (iv) Aruna has one son and one grandson.
- (v) Of the two married ladies one is a housewife.
- (vi) There is also one student and one male doctor in the family

**Q52.** How is Aruna related to Charu?

- (a) Sister
- (b) Mother
- (c) Grandfather
- (d) Grandmother

**Q53.** Who among the following is the housewife?

- (a) Charu
- (b) Aruna
- (c) Sandhiya
- (d) None

**Q54.** Which of the following is true about the granddaughter in the family?

- (a) She is a Doctor
- (b) She is a Teacher
- (c) She is a Student
- (d) Data inadequate

**Q55.** Find the correct option which has a similar relationship.

Produce : Build :: Contrast : ?

- (a) Correct
- (b) Match
- (c) Variance
- (d) Oppose

**Q56.** An Assertion (A) and a Reason (R) are given below.

**Assertion (A):** Beri – Beri is a viral infection.

**Reason (R):** Vitamin deficiency causes diseases.

**Choose the correct option.**

- (a) A is false but R is true.
- (b) A is true but R is false.
- (c) Both A and R are false
- (d) Both A and R are true and R is the correct explanation of A.

**Q57.** Glaciers are formed by

- (a) Melting snow
- (b) Accumulation of snow
- (c) Heavy hail fall
- (d) High rainfall



**Q58.** 12 men and 16 women together can complete a work in 4 days. It takes 80 days for one man alone to complete the same work, then how many days would be required for one woman alone to complete the same work?

- (a) 160
- (b) 150
- (c) 130
- (d) 175

**Q59.** Jalal, Amit and Feroz enter into partnership. Jalal invests 4 times as much as Amit and Amit invest three-fourth of what Feroz invests. At the end of the financial year, the total profit earned is Rs. 19,000. Find the share for Jalal.

- (a) Rs. 15,000
- (b) Rs. 12,000
- (c) Rs. 13,000
- (d) Rs. 10,000

**Q60.** How many astronauts have walked on the moon?

- (a) 2
- (b) 5
- (c) 8
- (d) 12

**Q61.** Identify the odd one from the list below:

- (a) Stream
- (b) Bridge
- (c) Canal
- (d) River

**Q62.** An Assertion (A) and Reason (R) are given below.

**Assertion (A):** Leakages in household gas cylinders can be detected.

**Reason (R):** LPG has a strong smell.

**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 and R is not the correct explanation of A.
- (c) Both A and R are false
- (d) A is true but R is false.

**Q63.** Who was sworn in as the Prime Minister of Nepal in 2015?

- (a) Sushil Koirala
- (b) Bidhya Devi Bhandari
- (c) Khadga Prasad Sharma Oli
- (d) Kul Bahadur Gurung

**Q64.** Who is the current FIFA president?

- (a) Sepp Blatter
- (b) Gianni Infantino
- (c) Issa Hayatou
- (d) Dunga

**Q65.** Who won the 2015 Australian Grand Prix?

- (a) Louis Hamilton
- (b) Kimi Raikkonen
- (c) Jenson Button
- (d) Sebastian Vettel

**Q66.** What are the waves that are used to penetrate solids and are used by doctors and at airports?

- (a) Sound wave
- (b) X-rays
- (c) Electro magnetic
- (d) Mechanical

**Q67.** If  $(7x+5)^\circ$  and  $(x+5)^\circ$  are complementary angles, then find value of x.

- (a) 10
- (b) 20
- (c) 30
- (d) 40

**Q68.** Rearrange the jumbled up letters in their natural sequence and find the odd one out.

- (a) EARSUQ
- (b) ONGPOYL
- (c) NAEGRCLE
- (d) RGETESNH

**Q69.** Choose the pair which is related in the same way as the word in the first pair from the given choices

Savage: Civilized: ----- : -----

- (a) Brutal : Heroic
- (b) Wild : Animal
- (c) Dark : Light
- (d) Illiterate: Book

**Q70.** In a college, 25% of male faculties are same in number as  $\frac{1}{3}$ <sup>rd</sup> of the female faculties. What is the ratio of male faculty to female faculty in that college?

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

**Q71.** If A denotes + , B denotes '-', C denotes '÷', D denotes 'x' then the value of the expression  $9 D 48 C 6 B 16 A 3$  is

- (a) 53
- (b) 35
- (c) 59
- (d) 56

**Q72.** What is the process of slow cooling of hot glass called?

- (a) Annealing
- (b) Humidifying
- (c) Condensation
- (d) Decantation

**Q73.** Find the products :  $0.5 \times 0.05 \times 0.005 \times 500$

- (a) 0.0625
- (b) 0.00625
- (c) 0.06255
- (d) 0.625

**Q74.** Boxing is related to Ring in the same way as Tennis is related to

- (a) Court
- (b) Ground
- (c) Pool
- (d) Arena

**Q75.** Find the degree of the polynomial  $8x^4 + 2x^2y^3 + 4$

- (a) 4
- (b) 5
- (c) 0
- (d) 1

**Q76.** In which Schedule to the Constitution of India is the list of States and Union Territories given?

- (a) First Schedule
- (b) Second Schedule
- (c) Fourth Schedule
- (d) Sixth Schedule

**Q77.** In a certain code, TABLE is written as GZYOV, then CHAIR can be written as

- (a) XRZSI
- (b) XZSRI
- (c) XSRZI
- (d) XSZRI

**Q78.** Milk of Magnesia is used as a

- (a) Laxative
- (b) Pain killer
- (c) Sedative
- (d) Antibiotic

**Q79.** In a number system, on dividing 11509 by a certain number, Mukesh gets 71 as quotient and 7 as remainder. What is the divisor?

- (a) 132
- (b) 172
- (c) 182
- (d) 162

**Direction (80 – 82);** The table below depicts the Number of Books Sold by 5 cities during 5 months. Study the following table and answer the questions:

Months	City A	City B	City C	City D	City E
June	213	200	195	253	229
July	156	208	216	187	175
August	177	197	185	181	215
September	220	145	235	265	231
October	253	188	278	243	249

**Q80.** If 30% of the total number of books sold by City B, D and E together in July were academic books, how many non-academic books were sold by the same Cities together in the same months?

- (a) 379
- (b) 389
- (c) 399
- (d) 309

**Q81.** What is the respective ratio between the total number of books sold by City A in July and September together and total number of books sold by City E in August and October together?

- (a) 57 : 49
- (b) 49 : 57
- (c) 58 : 47
- (d) 47 : 58

**Q82.** What is the average number of books sold by City C in July, September and October together?

- (a) 243
- (b) 242
- (c) 234
- (d) 224

**Q83.** Find the missing value denoted by ‘?’

$$3 : 243 :: 5 : ?$$

- (a) 625
- (b) 465
- (c) 3125
- (d) 425

**Q84.** If the standard deviation of a population is 3, what would be the population variance?

- (a) 9
- (b) 6
- (c) 8
- (d) 15

**Q85.** Below are given statements followed by two conclusions I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.

**Statements:** Some buds are flowers.

All flowers are trees.

All trees are leaves.

**Conclusions: I.** Some leaves are buds.

**II.** All flowers are leaves.

Decide which of the below options logically follows the given conclusions.

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

**Q86.** Find the LCM of the following fractions:  $\frac{2}{3}$ ,  $\frac{8}{9}$ ,  $\frac{16}{27}$ ,  $\frac{32}{81}$

- (a)  $\frac{32}{81}$
- (b)  $\frac{81}{32}$
- (c)  $\frac{32}{3}$
- (d)  $\frac{11}{41}$

**Q87.** In which state is Koyna dam located?

- (a) Madhya Pradesh
- (b) Rajasthan
- (c) Maharashtra
- (d) Gujarat

**Q88.** Which planet is the nearest in size to earth?

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

**Q89.** The mean of a distribution is 15 and the standard deviation is 5. What is the value of the coefficient variation?

- (a) 16.66%
- (b) 66.66%
- (c) 33.33%
- (d) 100%

**Q90.** If S is the midpoint of a straight line PQ and R is a point different from S, such that  $PR=RQ$ , then

- (a)  $\angle PRS=90^\circ$
- (b)  $\angle QRS=90^\circ$
- (c)  $\angle PSR=90^\circ$
- (d)  $\angle QSR<90^\circ$

**Q91.** Who constructed the Hawa Mahal?

- (a) Maharaja Bhagvat Singh
- (b) Maharaja Jagatjit Singh
- (c) Maharaja Sawai Pratap Singh
- (d) Maharajah Jaswant Singh

**Q92.** If ' $>$ ' means 'minus', ' $<$ ' means 'plus', ' $*$ ' means 'multiplied by' and ' $\#$ ' means "divided by", then what would be the value of  $27 < 81 \# 9 > 6 =$

- (a) 32
- (b) 30
- (c) 36
- (d) 25

**Q93.** Which king's story is the subject of the play Mudrakshasa?

- (a) Jaychand
- (b) Chandra Gupta II
- (c) Chandrapeda
- (d) Chandragupta Maurya

**Q94.** The amount of alcohol in two different medicines is 1.5% and 3.5% respectively. In what ratio they should be mixed such that amount of alcohol in the new mixture is 2.5%?

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

**Q95.** Who was responsible for building the Great wall of China?

- (a) Qin Shi Huang
- (b) Fa-Hien
- (c) Xuanzang or Hiuen Tsang
- (d) Yijing

**Q96.** Martin Crowe who passed away recently was the former cricket captain of which country?

- (a) Australia
- (b) England
- (c) New Zealand
- (d) South Africa

**Q97.** If 70% of  $\frac{5}{7}$ th of a number is 90, find the number.

- (a) 150
- (b) 180
- (c) 160
- (d) 190

**Q98.** Which among the following is called quicksilver?

- (a) Titanium
- (b) Mercury
- (c) Platinum
- (d) Radium

**Q99.** Which of the following is a vertebrate?

- (a) Kiwi
- (b) Sponges
- (c) Star fish
- (d) Threadworm

**Q100.** Find the total Simple Interest on Rs. 500 at 7% per annum, on Rs. 700 at 10% per annum and on Rs. 1000 at 4% per annum for 3 years.

- (a) 435
- (b) 500
- (c) 700
- (d) 1000