

## RRB NTPC Previous Year Paper 16

**Q1.** Santosh Trophy is associated with which of the following sports?

- (a) Cricket
- (b) Football
- (c) Hockey
- (d) Basket ball

**Q2.** Two numbers are in the ratio 21:29 and their HCF is 8, find their LCM.

- (a) 4872
- (b) 168
- (c) 232
- (d) 4782

**Q3.** Which of the following is NOT an application of Fiber optics?

- (a) Power Generation
- (b) Computer Networking
- (c) Sensors
- (d) Power Transmission

**Q4.** In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement I:** Some games are sports

**Statement II:** No exercise are games

**Conclusion I:** All sports are exercise

**Conclusion II:** Some exercise are sports

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

**Q5.** In 1969, who among the following was a part of crew of spaceflight Apollo-XI?

- (a) Yuri Gagarin
- (b) Pete Conrad
- (c) Alan Shepard
- (d) Neil Armstrong

**Q6.** Which of the following Newton's laws of motion can explain why a ball thrown at a wall rebounds?

- (a) 1<sup>st</sup> law of motion
- (b) 2<sup>nd</sup> law of motion
- (c) 3<sup>rd</sup> law of motion
- (d) Neither of the laws

**Q7.** Which is the correct ascending order of the given numbers?

- (a)  $\frac{1}{2}, \frac{2}{3}, \frac{7}{12}$   
(b)  $\frac{7}{12}, \frac{2}{3}, \frac{1}{2}$   
(c)  $\frac{1}{2}, \frac{7}{12}, \frac{2}{3}$   
(d)  $\frac{2}{3}, \frac{1}{2}, \frac{7}{12}$

**Q8.** Karteek is twice as good a foreman as Raju and together they finish a piece of work in 20 days. In how many days will Raju alone finish the work?

- (a) 40  
(b) 60  
(c) 80  
(d) 50

**Q9.** Choose the pair which is related in the same way as the words in the first pair from the given choices.

**NESTS: BIRDS :: \_\_\_\_\_ : LION**

- (a) DWELLING  
(b) BUSH  
(c) FOREST  
(d) DEN

**Q10.** The median of the data  $1, \frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, 2, \frac{1}{2}, \frac{1}{4}, \frac{3}{4}$  is:

- (a)  $\frac{1}{4}$   
(b)  $\frac{1}{2}$   
(c)  $\frac{1}{6}$   
(d)  $\frac{3}{4}$

**Q11.** If MARS is written as 5426, YELLOW is written as 137789, how is ROSE coded in that coded in that code?

- (a) 2863  
(b) 2869  
(c) 2852  
(d) 2867

**Q12.** Tom Hanks is associated with which of the following?

- (a) Films  
(b) Sports  
(c) Music  
(d) Science

**Q13.** Complete the analogy

**Nation : capital :: India : ?**

- (a) Mumbai  
(b) Delhi  
(c) Kolkata  
(d) Chennai

**Q14.** Which of the following awards is Sachin Tendulkar NOT awarded with?

- (a) Bharat Ratna
- (b) Dhyan Chand Award
- (c) Padma Vibhushan
- (d) Rajiv Gandhi Khel Ratna

**Q15.** If the product of two numbers is 2646 and their LCM is 42 then their HCF is:

- (a) 64
- (b) 26
- (c) 46
- (d) 63

**Q16.** Which out of the following is not a launch vehicle of India for placing satellites in the orbit?

- (a) PSLV
- (b) GSAT-8
- (c) GSLV
- (d) ASLV

**Direction (17 – 19):** Read the following passage and answer the question based on it.

- (i) Vijay, Vinod, Vikas, Vasu, Vaibhav, Varun and Vishal are sitting around a circle facing at the center.
- (ii) Vasu is the third to the right of Vikas.
- (iii) Varun is second to the left of Vijay and second to the right of Vishal.
- (iv) Vaibhav is third to the right of Vinod and is not an immediate neighbor of Varun.

**Q17.** Who is second to the right of Vinod?

- (a) Vaibhav
- (b) Vasu
- (c) Vishal
- (d) Vikas

**Q18.** Who is third to the left of Varun?

- (a) Vaibhav
- (b) Vasu
- (c) Vishal
- (d) Vikas

**Q19.** Who is to the immediate right of Vikas?

- (a) Vinay
- (b) Vishal
- (c) Vaibhav
- (d) Varun

**Q20.** In Jan 2016, who among the following was chosen as the new face for Incredible India Campaign?

- (a) Amir Khan
- (b) Amitabh Bachchan
- (c) Shah Rukh Khan
- (d) Salman Khan

**Q21.** Find the odd one out

441, 484, 529, 566, 625

- (a) 484
- (b) 529
- (c) 625
- (d) 566

**Q22.** The length of a diagonal in cms of a rectangle of length 5 Cm and width 6 Cm is:

- (a)  $\sqrt{61}$
- (b)  $\pm\sqrt{61}$
- (c)  $\sqrt{11}$
- (d)  $\pm\sqrt{11}$

**Q23.** The heights of a cone and a cylinder are equal. The radii of their bases are in the ratio 2 : 1, the ratio of their volumes is

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

**Q24.** A boat moves down stream at the rate of 8 kmph and upstream at 4 kmph. The speed of boat in still water is

- (a) 4.5 kmph
- (b) 5 kmph
- (c) 6 kmph
- (d) 6.4 kmph

**Q25.** If  $\tan A = \frac{15}{8}$  and  $\tan B = \frac{7}{24}$ , then  $\cos(A-B) = ?$

- (a)  $\frac{297}{425}$
- (b)  $\frac{304}{425}$
- (c)  $\frac{87}{425}$
- (d)  $\frac{416}{425}$

**Q26.** Which term is not associated with sound wave?

- (a) Hertz
- (b) Decibel
- (c) Candela
- (d) Mach

**Q27.** Which chemical is used in ripening mangoes artificially?

- (a) Sulphur Dioxide
- (b) Nitrous Oxide
- (c) Calcium Carbide
- (d) Phosphorous

**Q28.** The variance of a set of data is 169. Then the standard deviation of the data is:

- (a)  $\pm 13$
- (b) 13
- (c) 69
- (d) 84.5

**Q29.** Which among the following is a mismatched pair

- (a) Islam : Quran
- (b) Sikhism : Guru Granth Saheb
- (c) Jainism : Upanishad
- (d) Christianity : Bible

**Q30.** The \_\_\_\_\_ has emerged as a convenient means of global communication, information sharing and services.

- (a) e-books
- (b) Internet
- (c) Satellites
- (d) Public telephone booths

**Q31.** Interchanging which two signs will make the following equation correct?

$$42 \div 4 + 2 - 3 \times 5 = 29$$

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

**Q32.** Which among the following cannot be included among greenhouse gases?

- (a) Nitrous Oxide
- (b) Carbon Dioxide
- (c) Methane
- (d) Phosphine

**Q33.** Simplify  $4(x-1) - 3x$

- (a)  $7x-4$
- (b)  $7x+4$
- (c)  $x+4$
- (d)  $x-4$

**Q34.** Which of the following organ does NOT belong to human excretory system?

- (a) Kidneys
- (b) Ureters
- (c) Uterus
- (d) Urethra

**Direction (35-37);** Read the data given below and answer the questions based on it.

In the CBSE Board exam last year, 53% passed in Biology, 61% percent passed in English, 60% in Social Studies, 24% in Biology and English, 35% in English and Social Studies, 27% in Biology and Social Studies and 5% in none.

**Q35.** If the number of students in the class is 200, how many passed in only one subject?

- (a) 48
- (b) 46
- (c) More than 50
- (d) Less than 40

**Q36.** What is the percentage of students who passed in all subjects?

- (a) 8
- (b) 12
- (c) 7
- (d) 10

**Q37.** What is the ratio of percentage of students who passed in Biology and Social Studies but not English in relation to the percentage of students who passed in Social Studies and English but not Biology?

- (a) 5:7
- (b) 7:5
- (c) 4:5
- (d) 5:4

**Q38.** In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement I:** Some buttons are switches

**Statement II:** All buttons are connectors

**Conclusion I:** Some switches are connectors

**Conclusion II:** Some connectors are buttons

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

**Q39.** Which one of the following combination of measurements (in cm), can form the sides of a triangle?

- (a) 9, 6, 2
- (b) 11, 3, 12
- (c) 3, 5, 8
- (d) 5, 7, 13

**Q40.** If NOTEBOOK is coded as REGOLEEN, and SHIRT as XYZBG, then TORN is coded as

- (a) GZBR
- (b) GEBN
- (c) GEBR
- (d) GOBR

**Q41.** If signs – and  $\times$ , and numbers 3 and 15 are interchanged, what is the value of

$3+12\div 6 - 4\times 15$  is

- (a) 20
- (b) 30
- (c) 40
- (d) 50

**Q42.** In December 2015, which of the following was hailed as an important criteria for contesting Panchayat elections in Haryana?

- (a) A functional toilet at home
- (b) Minimum education qualification for women is Class 3 pass
- (c) Exemption for Non-payment of arrears of electricity bill
- (d) Exemption for Non-payment of arrears of cooperative banks

**Q43.** If the mathematical operator, '+' means '×', '÷' means '-', '-' means '+', and '×' means '÷', then the value of

**$12+14\times 7-5\div 29$  is**

- (a) -5
- (b) -12
- (c) -7
- (d) 0

**Q44.** A shopkeeper wants to earn 33% profit on an article after offering 30% discount. By how much percentage more he should mark the price of his article above cost price?

- (a) 90
- (b) 63
- (c) 69
- (d) 72

**Q45.** Which of the following is NOT a storage device?

- (a) Hard Disk
- (b) CD ROM
- (c) Flash Drive
- (d) Modem

**Q46.** Who of the following founded the Vikramashila University?

- (a) Devapala I
- (b) Dharmapala
- (c) Gopala
- (d) Devapala II

**Q47.** The cash difference between the selling price of an article at a profit of 2% and 16% is Rs. 3. The ratio of two selling prices is:

- (a) 51:58
- (b) 51:53
- (c) 57:58
- (d) 55:58

**Q48.** Find the perimeter (in cm) of a semicircle of radius 14 cm.

- (a) 144
- (b) 46
- (c) 72
- (d) 92

**Q49.** Among the pairs of rivers given below, which flow in the southern part of India?

- (a) Krishna and Ganges
- (b) Kaveri and Godavari
- (c) Narmada and Tapti
- (d) Brahmaputra and Yamuna

**Q50.** Which kind of cell division is used to repair an injury by the body?

- (a) Mitosis only
- (b) Meiosis only
- (c) Both Mitosis and Meiosis
- (d) Neither Mitosis nor Meiosis

**Q51.** Who among the following participated in the 'Chittagong' armoury raid as part of freedom movement?

- (a) Ganesh Joshi
- (b) Kalpana Chawala
- (c) Ananta Waddedar
- (d) Preetilata Waddedar

**Q52.** Which is the correct inverted sequence (last to first) of Mughal Emperors who ruled the Indian Subcontinent?

- (a) Akbar, Shah Jahan, Aurangzeb, Bahadur hah II
- (b) Aurangzeb, Bahadur Shah II, Shah Jahan, Akbar
- (c) Bahadur Shal II, Aurangzeb, Shah Jahan, Akbar
- (d) Akbar, Aurangezeb, Shah Jahan and Bahadur Shah II

**Q53.** If " $\div$ " denotes "subtraction", " $-$ " denotes "addition", " $+$ " denotes "multiplication" and " $\times$ " denotes "division", which of the following is the value of the expression

$$182 \div 91 \times 7 + 3 - 1$$

- (a) 16
- (b) 24
- (c) 144
- (d) 150

**Q54.** Compute of  $1848 \div 231 - 10$ ?

- (a) 2
- (b) -2
- (c)  $\frac{1848}{221}$
- (d)  $\frac{1884}{221}$

**Q55.** If SON = 678 and TEN = 948, then STONE =

- (a) 69797
- (b) 69784
- (c) 68784
- (d) 69764

**Q56.** The members of the All India Services serve the -

- (a) Central Government only
- (b) State Government only
- (c) Union Territories only
- (d) both the Union and State Governments



**Q57.** Compute of  $29292 \times 9999 = ?$

- (a) 222890708
- (b) 298290708
- (c) 292809708
- (d) 292890708

**Q58.** Which of the following does NOT contribute to sparking of Diamonds?

- (a) Total Internal Reflection
- (b) High Refractive Index of Diamonds
- (c) Dispersion
- (d) Low Refractive Index of Diamonds

**Q59.** About 93% of Tribal women cannot contest for the post of Sarpanch in Rajasthan as they are not educated enough. What are the educational qualifications necessary?

- (a) Minimum Qualification is Class 2
- (b) Minimum qualification is Class 5
- (c) Minimum Qualification is Class 7
- (d) Minimum Qualification is Class 10

**Q60.** Urbanization and unsustainable development in India raised several environmental concerns but NOT one among the following:

- (a) Deforestation
- (b) Soil degradation
- (c) Depletion of natural resources
- (d) Erratic monsoon

**Q61.** HILL : MOUNTAIN :: STREAM : \_\_\_\_\_

- (a) CANAL
- (b) GLACIER
- (c) RIVER
- (d) DAM

**Q62.** A water tank has two holes. The 1<sup>st</sup> hole alone makes the tank empty in 3 minutes and 2<sup>nd</sup> hole alone makes the tank empty in 5 minutes. If water leaks out at a constant rate, how long in minutes does it takes if both the holes together empty the tank?

- (a)  $\frac{7}{8}$
- (b)  $2\frac{7}{8}$
- (c)  $1\frac{5}{8}$
- (d)  $1\frac{7}{8}$

**Q63.** If “+” and “×” signs as well as “3” and “2” are interchanged, which one of the following is correct?

- (a)  $4+2 \times 3=14$
- (b)  $14+3 \times 2=4$
- (c)  $4+2 \times 14=3$
- (d)  $2+3 \times 4=14$

**Q64.** The mean of the data 3, 10, 10, 4, 7, 10, 5 is:

- (a)  $\frac{18}{7}$
- (b) 7
- (c)  $\frac{39}{7}$
- (d) 6

**Q65.** Given  $w = -2$ ,  $x = 3$ ,  $y = 0$  &  $z = -\frac{1}{2}$ . Find the value of  $2(w^2 + x^2 + y^2)$ .

- (a) 26
- (b) -26
- (c) 25
- (d) 28

**Q66.** Ms Sushmitha borrowed Rs. 900 at 6% per annum simple interest. What amount will she pay to clear her debt after 4 years?

- (a) 261
- (b) 1161
- (c) 1116
- (d) 216

**Q67.** The number of sides of a regular polygon whose exterior angles are each  $60^\circ$  is:

- (a) 7
- (b) 5
- (c) 6
- (d) 8

**Q68.** Where in China is the Forbidden City located?

- (a) Guilin
- (b) Beijing
- (c) Shanghai
- (d) Guanzho

**Q69.** Divide Rs. 288 in the ratio 2:3:5:6. The rupees in the respective ratio are given by:

- (a) 36, 54, 91 & 107
- (b) 36, 54, 89 & 109
- (c) 36, 54, 90 & 108
- (d) 36, 55, 89 & 108

**Q70.** Which is the smallest planet in our solar system?

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

**Q71.** A famous Shiva temple, Pashupatinath is in:

- (a) Burma
- (b) Bangladesh
- (c) Nepal
- (d) Tibet

**Q72.** A newborn human baby is fed with the first secretion called colostrum from mammary gland. What does colostrum impart?

- (a) Factors for growth
- (b) Immunity
- (c) Sleepiness
- (d) Nutrition for development

**Q73.** The order of rotational symmetry of a parallelogram is:

- (a) 1
- (b) 4
- (c) 2
- (d) 0

**Q74.** Correct expression of  $0.126\overline{36}$  =?

- (a)  $\frac{139}{1100}$
- (b)  $126\frac{36}{1000}$
- (c)  $\frac{139}{2200}$
- (d)  $126\frac{36}{10000}$

**Q75.** Which acid is secreted by certain glandular cells in the stomach lining?

- (a) Hydrochloric
- (b) Ethanoic
- (c) Formic
- (d) Nitric

**Q76.** Who discovered benzene?

- (a) Hal Anger
- (b) Michael Faraday
- (c) Bruce Ames
- (d) Nicolas Appert

**Q77.** Choose the pair which is related in the same way as the words in the first pair from the given choices.

PIGEON : PEACE :: WHITE FLAG: \_\_\_\_\_

- (a) FRIENDSHIP
- (b) VICTORY
- (c) SURRENDER
- (d) WAR

**Q78.** To enlarge their hold over India, many wars were fought between British and Indians but NOT one of the following.

- (a) Anglo-Maratha
- (b) Anglo-Sikh
- (c) Anglo-Mysore
- (d) Anglo-Bangla

**Q79.** Which of the following technique is used to know the age of a tree in years?

- (a) Counting the number of branches
- (b) Counting the number of tree rings
- (c) Measuring the size of the bark
- (d) Counting the seasons of its flowering

**Q80.** The Government of Indian in the Month of November 2015 decided to allow foreign portfolio investors (FPIs) to increase stakes in local defence units to 49%. What was the earlier permissible rate?

- (a) 10%
- (b) 16%
- (c) 25%
- (d) 24%

**Q81.** Which of the following is used to detect current in a circuit?

- (a) galvanometer
- (b) Anemometer
- (c) Barometer
- (d) Lactometer

**Q82.** Solve:  $2x+4=x-3$ .

- (a) 7
- (b) -7
- (c) -1
- (d) 1

**Direction (83-85)** The table below represents the number of Executives recruited by six different organization over the years. Read the table and answer the questions based on it.

Organization	P	Q	R	S	T	U
2010	458	512	418	502	476	492
2011	522	536	472	500	482	523
2012	480	495	464	508	488	518
2013	506	506	428	444	490	534
2014	427	485	422	512	510	498
2015	792	488	444	499	512	510

**83.** What is the average number of executives recruited by company S over the years (approximately)

- (a) 494
- (b) 482
- (c) 514
- (d) 506

**Q84.** In 2014 No. of executives recruited by company T are by how much percent more than the previous year?

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

**Q85.** What is the total number of executives recruited by all the organizations together in the year 2012?

- (a) 2864
- (b) 2953
- (c) 3042
- (d) 2927

**Q86.** Compute of  $15872/32/4=?$

- (a) 142
- (b) 1984
- (c) 124
- (d) 1948

**87.** Which of the following is NOT based on principle of relationship between volume and pressure of air?

- (a) Fountain pen
- (b) Bicycle pump
- (c) Hand pump
- (d) Pulley

**Q88.** A satellite airtime bill costs Rs. 8 for 5 minutes 40 seconds. What is the cost in rupees for 4 minutes 20 seconds? (Round upto one decimal).

- (a) 6.1
- (b) 6
- (c) 6.2
- (d) 6.3

**Q89.** If UPTO is coded as PTUO, how is CANT coded?

- (a) NCTA
- (b) ANCT
- (c) ANTC
- (d) NTCA

**Q90.** The village 'Lambanisingi' is an upcoming tourist attraction where temperature drops to zero or below zero in December and January. Lambanisingi is in:

- (a) Maharashtra
- (b) Uttarakhand
- (c) Andhra Pradesh
- (d) Haryana

**Q91.** BACTERIA : ILLNESS:: \_\_\_\_\_ : \_\_\_\_\_

- (a) MEDICINE : GERMS
- (b) CALCIUM : BONE
- (c) KNIFE : LACERATION
- (d) FLOOD : DAM

**Q92.** An assertion and a reason are given below.

**Assertion:** When velocity is kept constant and wavelength is halved, then the frequency is doubled.

**Reason:** Velocity=Frequency×Wavelength.

**Choose the answer.**

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

**Q93.** To pinpoint a Criminal, Forensic Department uses the technique called?

- (a) DNA Editing
- (b) DNA Splicing
- (c) DNA Fingerprinting
- (d) DNA Amplification

**Q94.** Computers cannot work without:

- (a) Scanner
- (b) Internet
- (c) Mouse
- (d) CPU

**Q95.** What is the capital of Syria?

- (a) Damascus
- (b) Bahrein
- (c) Adis Ababa
- (d) Doha

**Q96.** Simplify:  $(27)^{\frac{-2}{3}}$

- (a) 1/18
- (b) 9
- (c) 1/9
- (d) 18

**Q97.** Which of the following is at the second trophic level of a food chain?

- (a) Grass
- (b) Rats
- (c) Snake
- (d) Eagle

**Q98.** The title of Persian translation of the Mahabharata is:\_\_\_\_\_.

- (a) Anwar-e-Suhaili
- (b) Razmanama
- (c) Hasht Bahisht
- (d) Ayar Danish

**Q99.** If  $\sin x = \frac{4}{5}$ , then  $1 + \tan^2 x =$

- (a)  $\frac{9}{25}$
- (b)  $\frac{25}{16}$
- (c)  $\frac{4}{25}$
- (d)  $\frac{25}{9}$

**Q100.** If LOW is coded as 468, BOW as 768, and SOWS as 3683, then the code of BOWLS is

- (a) 76843
- (b) 76890
- (c) 63387
- (d) 36891

prepp  
Your Personal Exam Guide