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RRB NTPC

TEST SERIES

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INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 13

QUESTION- 100

MARKS- 100

NEGATIVE MARK- 1/3

DURATION- 90 MIN.

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Total: 100 Que.

RRB NTPC Set 13

Time: 90 Min.

RRB NTPC CBT I

1). If R019 is divisible by 11, find the value of the smallest natural number R?

- (A) 5
- (B) 6
- (C) 7
- (D) 8

(a) A (b) D (c) C (d) B

2). Which of the following is not an effect of Noise Pollution?

- (A) Death of Animals
- (B) Tinnitus
- (C) Hypertension
- (D) Ozone Depletion

(a) D (b) A (c) C (d) B

3). The first large scale electrical air conditioning was invented and used in 1902 by

- (A) Willis Carrier
- (B) John Gorrie
- (C) Stuart Cramer
- (D) H.H. Schultz

(a) A (b) D (c) C (d) B

4). Early hominoids were classified as Homo sapiens

- (A) Argestor Line
- (B) Cro-Magnon
- (C) Neanderthal
- (D) Proconsul

(a) A (b) D (c) C (d) B

5). The operating system UNIX is the trademark of

- (A) Microsoft
- (B) Bell Laboratories
- (C) Apple
- (D) Motorola

(a) A (b) D (c) C (d) B

6). Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusion logically follow from the given statements.

Statements

A. Some fruits are vegetables.

B. All vegetables are plants.

Conclusions

I. Some plants are vegetables.

II. Some fruits are plants.

(A) Only Conclusion I follows

(B) Only Conclusion II follows

(C) Both I and II follow

(D) Neither of them follows

(a) A (b) D (c) C (d) B

7). The oldest oil field in Asia is located in

- (A) Gujarat
- (B) Assam
- (C) Arunachal Pradesh
- (D) Nagaland

(a) A (b) D (c) C (d) B

8). The average of first 20 multiples of 12 is

- (A) 124

(B) 120

(C) 126

(D) 130

(a) A (b) D (c) C (d) B

9). Rearrange the following jumbled sentences to make a meaningful

P. Weather conditions across a vast geographic

Q. the climate of India

R. scale and varied topography

S. comprises of a wide range of

The proper sequence should be

(A) SRQP

(B) QSPR

(C) PQRS

(D) QRPS

(a) A (b) D (c) C (d) B

10). A closed wooden rectangular box made of 1 cm thick wood has the

following outer dimensions length 22 cm, breadth 17 cm, and height 12 cm. It is filled to capacity with cement. What is the volume of the cement in the box?

(A) 1488 cu cm

(B) 3000 cu cm

(C) 4488 cu cm

(D) 2880 cu cm

(a) A (b) D (c) C (d) B

11). Which country built the Bird's Nest Stadium for 2008 Summer Olympics?

(A) China

(B) Brazil

(C) Australia

(D) Germany

(a) A (b) D (c) C (d) B

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

DOG : KENNEL :: BEE :

(A) HIVE

(B) BARN

(C) HOLE

(D) NEST

(a) A (b) D (c) C (d) B

13). In Tennis, hard court is the type of court whose surface is made of

(A) Concrete

(B) Clay

(C) Grass

(D) Carpet

(a) A (b) D (c) C (d) B

14). In 1981, ISRO launched India's first geostationary satellite called

(A) Aryabhata

(B) APPLE

(C) Bhaskara II

(D) INSAT 1B

(a) A (b) D (c) C (d) B

15). Which of the following is false?

Sound waves are, waves,

(A) Pressure

(B) Longitudinal

(C) Electromagnetic

(D) Mechanical

(a) A (b) D (c) C (d) B

16). What is the compound interest on Rs.4800 for 2 yr at 20% per annum, if interest is compounded annually?

(A) Rs.6912

(B) Rs.2112

(C) Rs.7680

(D) Rs.7200

(a) A (b) D (c) C (d) B

17). How many bones does a new born human baby have?

- (A) 350
- (B) 206
- (C) 211
- (D) 411

(a) A (b) D (c) C (d) B

18). The Mughal empire was founded by

- (A) Babur
- (B) Humayun
- (C) Akbar
- (D) Shah Jahan

(a) A (b) D (c) C (d) B

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

SOLDIERS : ARMY :: MUSICIANS :

- (A) FLOCK
- (B) GANG
- (C) COLONY
- (D) BAND

(a) A (b) D (c) C (d) B

20). A shopkeeper marks the price of an item at 320. Find the cost price if after allowing a discount of 10%, he still gains 20% on the cost price.

- (A) Rs.240
- (B) Rs.280
- (C) Rs.300
- (D) Rs.264

(a) A (b) D (c) C (d) B

21). What is also known as

- (A) Sand
- (B) Sugar
- (C) Salt
- (D) Clay

(a) A (b) D (c) C (d) B

22). Who was the first President of the Indian National Congress?

- (A) Womesh Chandra Bonnerjee
- (B) Bal Gangadhar Tilak
- (C) Allan Octavian Hume
- (D) Dadabhai Naoroji

(a) A (b) D (c) C (d) B

23). Choose the one which is different or odd from the following.

- (A) Aluminum
- (B) Iron
- (C) Copper
- (D) Brass

(a) A (b) D (c) C (d) B

24). Which of the following coloured light has the lowest frequency?

- (A) Green
- (B) Blue
- (C) Red
- (D) Violet

(a) A (b) D (c) C (d) B

25). The process when the computer is switched on and the operating system gets loaded from hard disk to main memory is called

- (A) Booting
- (B) Fetching
- (C) Processing
- (D) Multi-Processing

(a) A (b) D (c) C (d) B

26). If A=1 and OAR= 34, then ROAR= ?

- (A) 52
- (B) 53
- (C) 51
- (D) 50

(a) A (b) D (c) C (d) B

27). Select the correct set of symbols

$$44 \div 4 \times 5 = 82$$

(A) $\times, -, \div$

(B) $+, \div, -$

(C) $+, -, \div$

(D) $\div, \times, +$

(a) A (b) D (c) C (d) B

28). Select the correct set of symbols

$$27 \div 3 \times 19 \times 10 = 90$$

(A) $\times, -, \div$

(B) $+, \div, -$

(C) $+, -, \div$

(D) $\times, +, -$

(a) A (b) D (c) C (d) B

29). Who has recently been declared the successor of the Jamnagar throne?

(a) Amrit Mohan Prasad

(b) Anil Rai

(c) Ajit Bansal

(d) Ajay Jadeja

(a) A (b) D (c) C (d) B

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

TENNIS: COURT :: BOXING:

(A) STADIUM

(B) RING

(C) PITCH

(D) GROUND

(a) A (b) D (c) C (d) B

31). Which among the following is true for the given numbers?

(A) $38 < 1973 < 2947 < 1739$

(B) $1973 < 38 < 1739 < 2947$

(C) $1973 < 38 < 2947 < 1739$

(D) $1973 < 2947 < 38 < 1739$

(a) A (b) D (c) C (d) B

32). Which of the following insecticides harmful effects came under media

attention when health issues in the Kerala were publicised?

(A) Endosulfan

(B) Lethal

(C) Thimet

(D) Monocil

(a) A (b) D (c) C (d) B

33). The upstream speed of the boat is 40 km/h and the speed of the boat in still water is 55 km/h. What is the downstream speed of boat?

(A) 75 km/h

(B) 70 km/h

(C) 60 km/h

(D) 65 km/h

(a) A (b) D (c) C (d) B

34). Six years ago, the ratio of the two persons P and Q was 3 : 2. Four years later the ratio of their ages will be 8 : 7. What is present age of

(A) 10 yr

(B) 12 yr

(C) 14 yr

(D) 8 yr

(a) A (b) D (c) C (d) B

35). Maanch is a folk dance from

(A) Haryana

(B) Kerala

(C) Assam

(D) Madhya Pradesh

(a) A (b) D (c) C (d) B

36). How is Sameer related to Akbar if Sameer introduced Akbar as his maternal grandmother's only son's son?

(A) Brother

- (B) Son
(C) Maternal uncle
(D) Cousin

(a) A (b) D (c) C (d) B

37). Find the LCM of 15, 25 and 29.

- (A) 2335
(B) 3337
(C) 2175
(D) 2375

(a) A (b) D (c) C (d) B

38). P bought an item for Rs.1600 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for 1840?

- (A) 5%
(B) 10%
(C) 12%
(D) 15%

(a) A (b) D (c) C (d) B

39). A Group commonly referred as segmented worm and found from the deepest marine sediment?

- (A) Coral
(B) Hydra
(C) Sponges.
(D) Annelido

(a) A (b) D (c) C (d) B

40). Solve $(50 + 0.5 \times 20) \div 0.7$

- (A) 8.571
(B) 857.1
(C) 85.71
(D) 72.85

(a) A (b) D (c) C (d) B

41). The white desert is located in which of the following states of India?

- (A) Gujarat

- (B) Tamilnadu
(C) Jammu & Kashmir
(D) Sikkim

(a) A (b) D (c) C (d) B

42). The National Anthem of India was composed by

- (A) Rabindranath Tagore
(B) Bankim Chandra Chatterjee
(C) Pydimarri Venkata Subba Rao
(D) Pingali Venkayya

(a) A (b) D (c) C (d) B

43). Which of the following monuments built by Muhammad Quli Qutb Shah is said to be built to commemorate the eradication of plague?

- (A) Alai Minar
(B) Charminar
(C) Fateh Burj
(D) Qutub Minar

(a) A (b) D (c) C (d) B

44). Malini said, "Rohit is my maternal aunt's mother's only son's son". How is Malini related to Rohit?

- (A) Cousin
(B) Mother
(C) Sister
(D) Daughter

(a) A (b) D (c) C (d) B

45). The HCF and LCM of two numbers are 3 and 2730 respectively. If one of the number is 78, find the other number.

- (A) 107
(B) 103
(C) 105
(D) 102

(a) A (b) D (c) C (d) B

46). Which of the following Acts under the Indian Constitution is described by Article 21A?

- (A) Right to Education
(B) Right to Information
(C) Representation of the People
(D) Right to Freedom of Religion

(a) A (b) D (c) C (d) B

47). The filament of a light bulb is made up of

- (A) Platinum
(B) Tantalum
(C) Tungsten
(D) Antimony

(a) A (b) D (c) C (d) B

48). There are 90 coins, comprising of 5 and 10 paisa coins. The value of all the coins is Rs.7. How many 5 paisa coins are there?

- (A) 50
(B) 45
(C) 40
(D) 35

(a) A (b) D (c) C (d) B

49). A table was sold at a profit of 10%. If its cost price was 5% less and it was sold for Rs.7 more, the gain would have been 20%. Find the cost price of the table.

- (A) Rs.175
(B) Rs.200
(C) Rs.250
(D) Rs.150

(a) A (b) D (c) C (d) B

50). Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusion logically follow from the given statement.

Statement: In some tier 2 cities in India, transportation is one of the major problems.

Conclusions

I. All tier 2 cities are not well connected.

II. Lack of transportation facilities is the only problem in Indian metros.

- (A) Only Conclusion I follows
(B) Only Conclusion II follows
(C) Both I and II follow
(D) Neither of them follows

(a) A (b) D (c) C (d) B

51). Which country has recently got the right to host the ISSF (International Shooting Sports Federation) Junior World Cup 2025?

- (a) India
(b) China
(c) Japan
(d) Singapore

(a) A (b) D (c) C (d) B

52). Ram said, "Sita is my paternal great grandfather's only son's only daughter-in-law". How is Sita related to Ram?

- (A) Maternal aunt
(B) Paternal aunt
(C) Mother
(D) Sister

(a) A (b) D (c) C (d) B

53). The area of triangle ABC is 63 sq units. Two parallel lines DE, FG are drawn such that they divide the line segments AB and AC into three equal parts. What is the area of the quadrilateral DEGF?

- (A) 28 sq units
(B) 35 sq units
(C) 21 sq units
(D) 48 sq units

(a) A (b) D (c) C (d) B

54). Which astronomer was placed under house-arrest in his house for his support of heliocentrism

- (A) Nicolaus Copernicus
(B) Galileo Galilei
(C) Johannes Kepler
(D) Friedrich Bessel

(a) A (b) D (c) C (d) B

55). Which state has received the Best State Award in the 5th National Water Awards 2023?

(a) Odisha (b) Jharkhand (c) Bihar (d) Gujarat

56). The 'Father of Indian Space Programme' is

- (A) Dr. A.P.J. Abdul Kalam
- (B) Dr. Vikram A. Sarabhai
- (C) Dr. K. Kasturirangan
- (D) Prof. Satish Dhawan

(a) A (b) D (c) C (d) B

57). Who has recently received the National Kishore Kumar Award?

- (a) Ajit Sharma
- (b) Alok Rai
- (c) Rajkumar Hirani
- (d) Ajay Mittal

(a) A (b) D (c) C (d) B

58). If the code for MOTHER is JRQKBU, then what is the code of PRINCIPAL?

- (A) MRFKZLMXI
- (B) SULQFL\$DO
- (C) MUFQZLMDI
- (D) MRFKZFMXI

(a) A (b) D (c) C (d) B

59). Solve this $27+3525+27$

- (A) 3124
- (B) 2431
- (C) 2625
- (D) 1213

(a) A (b) D (c) C (d) B

Question 60-62 Use the following passage for the questions based on it.

There are six flats on a floor in two rows. Out of these, three are North facing and the other three are South facing flats. The flats are to be allotted amongst Arun, Biswajyot, Chitra, Derek, Evan and Fatima. Biswajyot gets a North facing flat and is not next to Derek. Derek and Fatima get diagonally opposite flats. Chitra is next to Fatima

and gets a South facing flat. Evan gets a North facing flat.

60). Which of the following pairs is exactly opposite to each other

- (A) Derek and Evan
- (B) Fatima and Chitra
- (C) Evan and Chitra
- (D) Evan and Arun

(a) A (b) D (c) C (d) B

61). Except Derek and Fatima, which other pair is diagonally opposite each other?

- (A) Arun and Viswajyot
- (B) Arun and Chitra
- (C) Evan and Derek
- (D) Evan and Chitra

(a) A (b) D (c) C (d) B

62). Which of the following combination get South facing flats?

- (A) Arun, Chitra and Fatima
- (B) Chitra, Biswajyot and Derek
- (C) Evan, Arun and Fatima
- (D) Derek, Arun and Biswajyot

(a) A (b) D (c) C (d) B

63). Which of the following was the antibiotic discovered by Alexander Fleming in 1928?

- (A) Penicillin
- (B) Prontosil
- (C) Streptomycin
- (D) Tetracycline

(a) A (b) D (c) C (d) B

Study the following table and answer the questions based on it.

Below is the Household Expenditure (in thousand rupees) per annum.

Year	Household Expenditure				
	Grocery	Rent	Leisure	EMI	Taxes
2010	32	12	5	3.4	9
2011	37	13	6.5	4.5	13
2012	46	14	7.3	5.6	17
2013	48	16	7.9	6.4	18
2014	52	18	8.5	7.4	19

64). What is the total household expenditure for the year 2012?

- (A) Rs.89900
(B) Rs.87120
(C) Rs.89100
(D) Rs.88200

(a) A (b) D (c) C (d) B

65). Expenditure on EMI forms what percentage of expenditure on Grocery for the year 2014?

- (A) 11.34%
(B) 14.23%
(C) 13.22%
(D) 15.55%

(a) A (b) D (c) C (d) B

66). What is the average spending on Leisure per annum?

- (A) Rs.7040
(B) Rs.6500
(C) Rs.7100
(D) Rs.7400

(a) A (b) D (c) C (d) B

67). Divide 3740 in three parts in such a way that half of the first part, one-third of the second part and one sixth of the third part are equal

- (A) 700, 1000, 2040
(B) 340, 1360, 2040
(C) 680, 1020, 2040
(D) 500, 1200, 2040

(a) A (b) D (c) C (d) B

68). Who among the following became the first tourist to space by spending 20 million for 8 days in orbit?

- (A) Greg Olsen

(B) Charles Simonyi

(C) Dennis Tito

(D) Mark Shuttleworth

(a) A (b) D (c) C (d) B

69). Find the mode of the given data

52, 54, 55, 56, 55, 54, 53, 55, 53, 51 and 57

- (A) 53
(B) 54
(C) 55
(D) 52

(a) A (b) D (c) C (d) B

70). Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusion logically follow from the given statement.

Statement Success cannot be achieved without hardwork.

Conclusions

- I. Every hardworking person is successful.
II. Every successful person is hardworking.

- (A) Only Conclusion I follows
(B) Only Conclusion II follows
(C) Both I and II follow
(D) Neither of them follows

(a) A (b) D (c) C (d) B

71). Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusion logically follow from the given statement.

Statement According to a recent health survey, people who exercise for atleast half an hour everyday are less prone to lifestyle diseases.

Conclusions

- I. Moderate exercise is essential to lead a healthy life.
II. Everyone with no exercise on their routine suffer from lifestyle diseases.

- (A) Only Conclusion I follows

- (B) Only Conclusion II follows
(C) Both I and II follow
(D) Neither of them follows

(a) A (b) D (c) C (d) B

72). How many persons like Reading?

- (A) 170
(B) 154
(C) 176
(D) 117

(a) A (b) D (c) C (d) B

73). How many persons like Trekking and Reading but not Cycling?

- (A) 12
(B) 31
(C) 44
(D) 28

(a) A (b) D (c) C (d) B

74). How many persons like Reading and Cycling but not Trekking?

- (A) 31
(B) 12
(C) 26
(D) 28

(a) A (b) D (c) C (d) B

75). The sum of two digits number is 9. When the digits are reversed, then number decreases to 45. Find the changed number.

- (A) 45
(B) 72
(C) 63
(D) 27

(a) A (b) D (c) C (d) B

76). If RUN = 182114 and BIN = 2914, then BRING =

- (A) 2189147

- (B) 1178136
(C) 31910158
(D) 21910158

(a) A (b) D (c) C (d) B

77). If MENTOR = NVMGLI, then PROFESSOR = ?

- (A) QSPGFTTPS
(B) KILUVHHI
(C) KSLGVTHMI
(D) KILGFHHLI

(a) A (b) D (c) C (d) B

78). If three numbers are in the ratio 2:3:5 and the twice their sum is 100. Find the square of the largest of the three numbers.

- (A) 225
(B) 625
(C) 25
(D) 100

(a) A (b) D (c) C (d) B

79). On an average, how many taste buds are present in a human tongue? (A) 2000 to 8000

- (B) 50000 to 100000
(C) 1 million to 10 million
(D) More than 10 million

(a) A (b) D (c) C (d) B

80). According to the Constitution, the ratio between the length and breadth of the national tricolour should be

- (A) 3:2
(B) 3:1
(C) 2:1
(D) 4:3

(a) A (b) D (c) C (d) B

81). If P travelled the first half of a journey at 40km/h and the remaining distance at 50km/h, what is the average speed of his travel?

- (A) 44.44 km/h

(B) 53.33 km/h

(C) 45 km/h

(D) 60 km/h

(a) A (b) D (c) C (d) B

82). If '+' means 'x', '-' means '÷', 'x' means '+' and '÷' means '-', then Compute the value of the expression.

$$.17 + 6 \times 13 \div 8$$

(A) 100

(B) 107

(C) 110

(D) 109

(a) A (b) D (c) C (d) B

83). A triangle has a perimeter of 200. If two of its sides are equal and third side is 20 more than the equal sides, what is the length of the third side?

(A) 60

(B) 50

(C) 80

(D) 70

(a) A (b) D (c) C (d) B

84). Moves forward but attack diagonally in chess is?

(A) Knight

(B) Rook

(C) Bishop

(D) Pawn

(a) A (b) D (c) C (d) B

85). What is the median of the following list of numbers 55, 53, 56, 59, 61, 69 and 31?

(A) 55

(B) 56

(C) 59

(D) 61

(a) A (b) D (c) C (d) B

86). Which of the following is the most common kidney stone-forming compound?

(A) Calcium oxalate

(B) Magnesium oxide

(C) Sodium bicarbonate

(D) Magnesium citrate

(a) A (b) D (c) C (d) B

87). A ladder 20m long is leaning against a vertical wall. It makes an angle of 30° with the ground. How high on the wall does the ladder reach?

(A) 10 m

(B) 17.32 m

(C) 34.64 m

(D) 30 m

(a) A (b) D (c) C (d) B

88). Two poles of the height 15m and 20m stand vertically upright on plane ground. If the distance between their feet is 12m, find distance between their tops.

(A) 11 मी

(B) 12 मी

(C) 13 मी

(D) 14 मी

(a) A (b) D (c) C (d) B

89). Which of the following is not an example of a Word Processor?

(A) IBM Lotus Symphony

(B) Microsoft Word

(C) Google Docs

(D) Microsoft Excel

(a) A (b) D (c) C (d) B

90). $5.16 \times 3.2 = ?$

(A) 15.502

(B) 16.512

(C) 17.772

(D) 17.52

(a) A (b) D (c) C (d) B

91). Below are given statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusion logically follows from the given statements.

Statements

I. All rats are hills.

II. All hills are rivers.

Conclusions

(A) Some rivers are rats.

(B) No river is a hill.

(C) All hills are rats.

(D) No river is a rat.

(a) A (b) D (c) C (d) B

92). How high is the badminton net at the center?

(A) 5 feet

(B) 5.1 feet

(C) 5.5 feet

(D) 4.8 feet

(a) A (b) D (c) C (d) B

93). P, Q and R harvest a field crop in 6 days. If P alone can harvest this crop in 10 days and Q alone in 24 days, then how many days R alone will cut the crop.

(A) 32 Days

(B) 40 Days

(C) 45 Days

(D) 60 Days

(a) A (b) D (c) C (d) B

94). The simple interest on a certain sum of money invested at a certain rate for 2 yr amounts to Rs.1200. The compound interest on the same sum of money invested at the same rate of interest for 2 yr amount to Rs.1290. What was the principal?

(A) Rs.12000

(B) Rs.16000

(C) Rs.6000

(D) Rs.4000

(a) A (b) D (c) C (d) B

95). Which leader adopted Orthodox Christianity as the official religion of Russia.

(A) Vladimir the great

(B) Michael Romanov

(C) Ivan IV

(D) Boris Godunov

(a) A (b) D (c) C (d) B

96). The only non-metal which is liquid at room temperature is

(A) Mercury

(B) Bromine

(C) Chlorine

(D) Gallium

(a) A (b) D (c) C (d) B

97). Which of the following popular tourist destinations of India were built in 1911 to commemorate visit of King George V and queen Mary?

(A) India Gate

(B) Gateway of India

(C) The Prince of Wales Museum

(D) Victoria Terminus

(a) A (b) D (c) C (d) B

98). If '+' means 'x', '-' means '÷', 'x' means '+' and '÷' means '-', then compute the value of expression.

$36 - 4 + 7 \times 8$

(A) 72

(B) 71

(C) 74

(D) 75

(a) A (b) D (c) C (d) B

99). A piece of cloth costs Rs.35. If the piece were 4 m longer and each meter were to cost Rs.1 lesser, then the total cost would remain unchanged. How long is the piece of cloth?

(A) 10 m

(B) 14 m

(C) 12 m

(D) 8 m

(a) A (b) D (c) C (d) B

working 6 hours per day do the same task?

(A) 12 Days

(B) 10 Days

(C) 15 Days

(D) 18 Days

(a) A (b) D (c) C (d) B

100). 30 men working 5 hours per day can do a task in 16 days. In how many days will 40 men