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# RRB NTPC

## TEST SERIES

DATE- \_\_/\_\_/\_\_

DAY- \_\_\_\_\_

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 12

QUESTION- 100

MARKS- 100

NEGATIVE MARK- 1/3

DURATION- 90 MIN.

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2. AS SOON AS THE EXAMINATION STARTS, YOU MUST CHECK THIS QUESTION BOOKLET AND IF THERE IS ANY UNPRINTED, MUTILATED OR PARTIALLY PRINTED PAGE OR QUESTION IN IT, THEN REPLACE IT WITH THE CORRECT QUESTION BOOKLET THROUGH THE EXAMINER.
3. THERE ARE A TOTAL OF 100 QUESTIONS IN THIS QUESTION BOOKLET.
4. THIS IS AN OBJECTIVE TEST, IN WHICH FOUR OPTIONS ARE GIVEN FOR THE ANSWER TO EACH QUESTION, YOU HAVE TO CHOOSE ONLY ONE OPTION WITH THE CORRECT ANSWER OUT OF THESE FOUR OPTIONS.
5. ANSWERS TO ALL QUESTIONS ARE TO BE WRITTEN ON SEPARATE ANSWER SHEETS.

6. INSTRUCTIONS FOR FILLING THE ANSWER SHEET ARE WRITTEN ON THE BACK SIDE OF THE ANSWER SHEET, READ THEM CAREFULLY BEFORE FILLING THE ANSWER SHEET.
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9. AFTER THE EXAMINATION IS OVER, YOU CAN GO OUT ONLY WITH HIS PERMISSION AFTER SUBMITTING THE ORIGINAL COPY OF THE ANSWER SHEET TO THE INVIGILATOR.
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Total: 100 Que.

RRB NTPC Set 12

Time: 90 Min.

**RRB NTPC CBT I**

- 1). The breakdown of pyruvate using  $O_2$  takes place in the \_\_\_\_\_.  
(a) lysosomes (b) Mitochondria (c) Vacuoles  
(d) Nucleus
- 2). In induced current is highest when the direction of motion of the coil is at \_\_\_\_\_ with respect to the magnetic field.  
(a)  $180^\circ$  (b)  $90^\circ$  (c)  $45^\circ$  (d)  $0^\circ$
- 3). The Comptroller and Auditor General of India is appointed by the President for \_\_\_\_\_.  
(a) 5 Years (b) 4 Years (c) 7 Years (d) 6 Years
- 4). Where is Harike Pattan Bird Sanctuary?  
(a) Punjab (b) Haryana (c) Uttarakhand  
(d) Rajasthan
- 5). Avogadro number is the number of atom present in 12g of which element?  
(a) Carbon (b) Hydrogen (c) Aluminium  
(d) Sodium
- 6). Who was the second Sikh Guru?  
(a) Guru Angad (b) Guru Arjan  
(c) Guru Har Krishan (d) Guru Hargobind
- 7). Of which Indian state is 'Gamocha' a cultural symbol?  
(a) Haryana (b) Rajasthan (c) Assam  
(d) Kerala
- 8). Who translated Upanishads into Persian?  
(a) Akbar (b) Aurangzeb (c) Dara Shikoh  
(d) Akbar II
- 9). Who among the following is known as the father of nuclear chemistry?  
(a) James Chadwick (b) Patrick Blackett  
(c) Marie Curie (d) Otto Hahn
- 10). The text "Bijak" was written by \_\_\_\_\_.  
(a) Guru Nanak (b) Kabir (c) Meera  
(d) Ramanuja
- 11). Grand Truck Road, Purana Qila Delhi are architectural examples of which dynasty?  
(a) Lodhi Dynasty (b) Slave Dynasty  
(c) Sher Shah Dynasty (d) Mughal Dynasty
- 12). Khandaria Mahadeva Temple is located at \_\_\_\_\_.  
(a) Khajuraho (b) Hampi (c) Awadh (d) Kailash
- 13). Ganges and Kosi confluence is in which state of India?  
(a) Madhya Pradesh (b) Uttar Pradesh  
(c) Punjab (d) Bihar
- 14). Goa State was formed in which year?  
(a) 1961 (b) 1977 (c) 1987 (d) 1985
- 15). Who was the first ruler of the Timurid dynasty??  
(a) Timur (b) Khalil Sultan (c) Pir Muhammad  
(d) Shah Rukh
- 16). Shakti Sthal is the memorial place of \_\_\_\_\_.  
(a) Mahatma Gandhi (b) J.L. Nehru  
(c) Jagjivan Ram (d) Indira Gandhi
- 17). Warren Hastings adopted which policy to ensure safeguard of colonial rule in India?  
(a) Policy of Non interference  
(b) Policy of ring of fence  
(c) Policy of Subsidiary Alliance (d) None



18). Which of the following state was not annexed under doctrine of lapse?

- (a) Satara (b) Oudh (c) Arcot (d) Sitapur

19). Which Chola ruler conquered Sri Lanka and ruled over it 50 year?

- (a) Karikala (b) Aditya I (c) Elara Chola  
(d) Rajendra Chola I

20). Who said "Indian National Congress is a begging institute"?

- (a) Lala Hardayal (b) Bal Gangadhar Tilak  
(c) VD Savarkar (d) Aurobindo Ghosh

21). Which of the following power does not belong to Prime Minister?

- (a) Advices President to appoint other Ministers  
(b) Preside over the meeting of council of Ministers  
(c) Guides, Directs, controls and coordinates all ministries  
(d) Appoints other ministers

22). Which of the following is India's second longest river?

- (a) Ganga (b) Yamuna (c) Godavari  
(d) Krishna

23). YONO is an integrated digital banking platform offered by which bank?

- (a) Punjab National Bank (b) State Bank of India  
(c) Bank of India (d) Oriental Bank of Commerce

24). Rhizobium bacteria plays an important role in which of the following?

- (a) Carbon Cycle (b) Oxygen Cycle  
(c) Nitrogen Cycle (d) Sulphur Cycle

25). The doctrine of basic structure of constitution was first given in which case?

- (a) Golak Nath case (b) Keshwanand bharti case  
(c) Minerva mills case (d) Indira Sahani case

26). Which one among the following glands is present in pairs in the human body?

- (a) Adrenal (b) Thymus (c) Pancreas  
(d) Pineal

27). Mohs scale is used to measure \_\_\_\_\_.

- (a) Viscosity of Substance  
(b) Hardness of Substance  
(c) Elasticity of a Material  
(d) Liquidity of a Substance

28). Which of the following is the site of cellular respiration?

- (a) Plastids (b) Lysosomes (c) Ribosomes  
(d) Mitochondria

29). Insolvency and Bankruptcy Board of India works under which of the following?

- (a) Ministry of Finance  
(b) Ministry of Corporate Affairs  
(c) Ministry of Consumer Affairs  
(d) Ministry of Administration Reforms and Public Grievances

30). The book titled 'Vijyant at Kargil: The Life of a Kargil Hero' has recently released is authored by

- (a) Captain Navjot Singh and A Roy  
(b) Major Arya and Kiran Desai  
(c) Colonel VN Thapar and Neha Dwivedi  
(d) General VK Singh

31). Which of the following is the brightest star in the sky?

- (a) North Star (b) Canopus (c) Sirius (d) Pollux

32). Which of the following deals with Amendment to the Constitution?

- (a) Article 356 in Part XI (b) Article 368 in Part XIV  
(c) Article 356 in Part XVII  
(d) Article 368 in Part XX

33). The first India-France-Australia Trilateral Dialogue was co-chaired by\_\_\_\_\_.

- (a) Harsh Vardhan Shringla (b) Dr. Harshvardhan  
(c) Nirmala Sitharaman (d) Dr. S Jaishankar

34). Which of the following has launched the "Build Back Better World " (B3W) to counter China's Belt and Road Initiative?

- (a) European Union (EU) (b) QUAD Nations  
(c) G-7 Countries (d) G-20 Countries

35). Who among the following has been awarded the 'NSG Counter-IED & Counter-Terrorism Innovator Award 2021'?

- (a) Prof. S. Ravi (b) Prof. Mohan Sinha  
(c) Prof. Shailesh Ganpule  
(d) Prof. Kuldeep Singh Rawat

36). Who is the current Railway Minister of India ?

- (a) Piyush Goyal (b) Ashwini Vaishnav  
(c) Prakash Javadekar (d) Mansukh Mandaviya

37). India's first cryptogamic garden was inaugurated in which of the following states of India?

- (a) Kerala (b) Karnataka (c) Mizoram  
(d) Uttarakhand

38). Recently, who has become the Brand Ambassador of Khadi Prakritik Paint?

- (a) Narendra Modi (b) Amir Khan  
(c) Nitin Gadkari (d) Akshay Kumar

39). World Day for International Justice is observed every year on \_\_\_\_\_.

- (a) 18 July (b) 16 July (c) 17 July (d) 29 July

40). Mangubhai Chhaganbhai Patel is the present governor of \_\_\_\_\_.

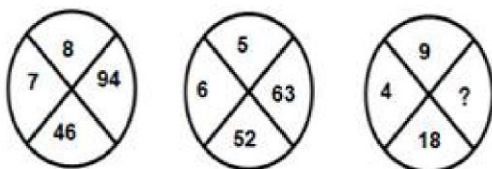
- (a) Uttarakhand (b) West Bengal  
(c) Madhya Pradesh (d) Himachal Pradesh

41). A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

0, 4, 8, 24, 64, 176, ?

- (a) 180 (b) 480 (c) 280 (d) 300

42). In the following question, select the missing number from the given alternatives.



- (a) 18 (b) 26 (c) 61 (d) 30

43). Find the second proportion between 4 and 9?

- (a) 8 (b) 9 (c) 6 (d) 3

44). A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

66, 67, 101.5, ?, 511, 1534

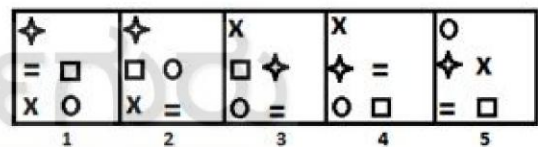
- (a) 202 (b) 203 (c) 204 (d) 207

45). Three of the following four letter groups are similar to each other in a specific context and one of them is different. Choose the odd one from the given options.

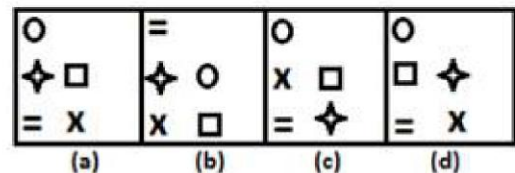
- (a) TRVN (b) CLEH (c) PYRU (d) MKOH

46). Choose the next figure in the series from the given alternatives.

Question Figure:-



Answer Figure:-



- (a) (a) (b) (b) (c) (c) (d) (d)

47). How many triangles are present in the following figure?



- (a) 14 (b) 13 (c) 10 (d) 12

48). In a code language, LOGITECH is written as CFCEBAY. How will INFORMATION be written as in that language?

- (a) EEBFIDBWFEE (b) EBEDIFBWFEE  
(c) EEBFIDWBEFE (d) EBEFDIWBFE

49). If FINGER is coded as 15232112239 and MARKET is coded as 14192916252, then how will MILTON be coded as?

- (a) 22213235295 (b) 22122353295  
(c) 2222213355 (d) 21223239525

50). In the following question, select the odd number pair from the given alternatives.

- (a) 16-12 (b) 32-06 (c) 22-14 (d) 24-08

51). In the following question, select the odd number from the given alternatives.

- (a) 4, 18, 18 (b) 9, 6, 18 (c) 12, 3, 12  
(d) 18, 6, 36

52). 'Vertebrate' is related to 'Monkey' in the same way as 'Invertebrate' is related to '\_\_\_\_\_'.  
(a) Snake (b) Deer (c) Starfish (d) Frog

53). In a certain code language, 'FASTER' is written as 'CDPQHO'. How will 'VIOLIN' be written as in that language?

- (a) SKIRKO (b) RLTIK (c) SLIRLM  
(d) SLRILK

54). In a class, there are 120 students, where boys are twice that of girls, Ramu a boy was ranked 25th from the top. If there are 10 girls ahead of Ramu. How many boys are after him?

- (a) 85 (b) 45 (c) 75 (d) 65

55). Which two signs need to be interchanged to make the given equation correct?

$$6 \div 3 + 12 \times 4 - 9 = 12$$

- (a) -, x (b) ÷, x (c) -, + (d) +, ÷

56). Correct the following equation by interchanging the two numbers and choose an appropriate option.

$$2+28 \div 14 \times 15 \div 225 = \frac{61}{30}$$

- (a) 30 and 15 (b) 14 and 28 (c) 30 and 61  
(d) 28 and 15

57). In the following question, select the related number from the given alternatives.

$$(3 : 90, 5 : 130 :: 7 : ?, 9 : 738)$$

- (a) 2408 (b) 350 (c) 2401 (d) 2450

58). Observe the series and answer the question. What will be the fourth letter of the missing term?

BPCR, DPES, FPGT, ?, JPKV

- (a) Y (b) U (c) X (d) W

59). Out of eight numbers, the sum of first seven numbers is 8 times the 8<sup>th</sup> number. If their average is 153, then the 8<sup>th</sup> number is:

- (a) 136 (b) 153 (c) 144 (d) 143

60). Select the option that is related to the third word in the same way as the second word is related to the first word.

Butter : Milk :: Oil : ?

- (a) Seed (b) Oil Factory (c) Root (d) Tree

61). Choose the pair which represents closer the relationship expressed in the original pair in capital letters.

MENDACITY : HONESTY

- (a) Truth : Beauty (b) Sportsmanship : Fortitude  
(c) Courageous : Craven  
(d) Turpitude : Depravity

62). Select the letter-cluster that can replace the question mark (?) in the following series.

DFH, FHJ, ?, JLN, LNP

- (a) HJM (b) HJL (c) HJK (d) HKL

63). What will be the day of the week on 15<sup>th</sup> April 2029?

- (a) Tuesday (b) Saturday (c) Sunday  
(d) Monday

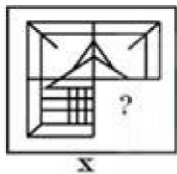
64). Which two signs should be interchanged to make the given equation correct?

$$25 - 5 \times 50 \div 10 + 35 = 155$$

- (a) × and – (b) × and + (c) + and –  
(d) × and ÷



- 65). Select a figure from amongst the four alternatives that when placed in the blank space (?) of figure X will complete the pattern. (Rotation is NOT allowed).



- (a) (b) (c) (d)

- 66). Select the option that is related to the third term in the same way as the second term is related to the first term.

Alight : Descend :: House : .....

- (a) Pound (b) Home (c) Hug (d) Hen

- 67). Choose the option figure in which the problem figure is hidden/embedded.



- (a) (b) (c) (d)

- 68). Find the next term in the alpha –numeric series:

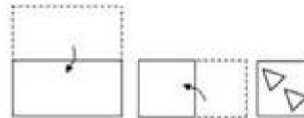
5A25, 10D100, 15G225?

- (a) 20K400 (b) 20J200 (c) 21J200 (d) 20J400

- 69). Five friends- B, C, D, E and F are sitting in a row facing south. D is second to the right of C. B sits at one of the end and is sitting second to the right of F. Who sits exactly in the middle?

- (a) F (b) S (c) O (d) Q

- 70). The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



- (a) (b) (c) (d)

- 71). If  $\frac{2a-5b}{3a+6b} = \frac{4}{7}$ , then  $a:b$  is equal to

- (a) 21 : 36 (b) 2 : 59 (c) 59 : 2 (d) 36 : 21

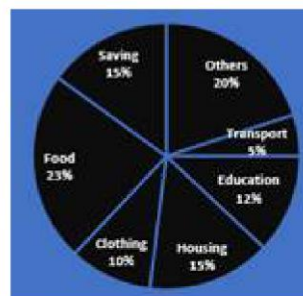
- 72). If 30% of A is added to 40% of B, the answer is 80% of What percentage of A is B?

- (a) 30% (b) 40% (c) 70% (d) 75%

- 73). One year ago, the ratio of Gaurav's and Sachin's age was 6:7. 4 years hence this ratio would become 7:8. How old is Sachin?

- (a) 35 years (b) 36 years (c) 63 years (d) 53 years

**Direction 5-7:** Read the following Pie-chart to answer the given question. Following Pie chart represents the amount of money spent on different sectors.



Graph shows that the maximum amount was spent on?

- 74). Graph shows that the maximum amount was spent on?

- (a) Food (b) Housing (c) Clothing (d) Others

75). If total amount spent was Rs. 46000, how much was spent on clothing and housing together?

- (a) Rs. 11500 (b) Rs. 1150 (c) Rs. 10000  
(d) Rs. 15000

76). The total amount spent during the year 2017 was Rs. 46000. The amount spent on food was?

- (a) Rs. 2000 (b) Rs. 10580 (c) Rs. 23000  
(d) Rs. 2300

77). A sum of money is sufficient to pay A's wages for 21 days and B's wages for 28 days respectively. The same money is sufficient to pay the wages of both for?

- (a) 8 days (b) 10 days (c) 9 days (d) 12 days

78). A sum of money at compound rate of interest amount to Rs. 750 in 1<sup>st</sup> year and to Rs. 1000 in 2<sup>nd</sup> year. Find the sum:

- (a) Rs. 562.5 (b) Rs. 562 (c) Rs. 560.5  
(d) Rs. 600

79). In a mixture of 150 liters oil, 80% is petrol and rest are diesel. How much more diesel should be added so that, petrol become 75% in the new mixture?

- (a) 10 liters (b) 15 liters (c) 20 liters (d) 5 liters

80). If least common multiple of two numbers is 175 and the highest common factor is 5 then find the numbers when one of the numbers is 25.

- (a) 45 (b) 25 (c) 35 (d) 55

81). The population of a town is 20,000. If the Males increase by 4% and the females by 5% the population will be 20880. How many females are there?

- (a) 8000 (b) 12000 (c) 9000 (d) 10000

82). Pipes A and B can fill a tank in 12 min and 15 min respectively. When A, B and An outlet pipe C Start together it take 20 min to fill the tank. If C take out 3 litres per min. What is the capacity of the tank?

- (a) 35 litres (b) 30 litres (c) 40 litres  
(d) 45 litres

83). What least value should be added to 2505, so that it becomes a perfect square?

- (a) 5 (b) 20 (c) 70 (d) 96

84). The ratio of efficiencies of A and B is 2 : 3 and together they can complete the work in 15 days. In how many days B can complete the work?

- (a) 10 days (b) 25 days (c) 30 days  
(d) 35 days

85). The ratio between LCM of two numbers and their sum is 12:7. If their HCF is 4, what is the product of two numbers?

- (a) 192 (b) 196 (c) 169 (d) 172

86). Kangna walks 30m eastward and took left turn and moves 45m and took right turn and walked 20m and turned her left and goes 15m and reach to a shop. She goes back to her starting point from the shop following the shortest way. How much total distance she covered and shop is in which direction with respect to her starting point?

- (a)  $10(11+\sqrt{61})$ m, North-East  
(b)  $15(11+\sqrt{61})$ m, North-East  
(c)  $20(11+\sqrt{61})$ m, North-West  
(d)  $30(11+\sqrt{61})$ m, North-West

87). Two pens and three pencils cost Rs 86. Four pens and a pencil cost Rs 112. Find the cost of a pen and a pencil.

- (a) 22 and 25 (b) 21 and 4 (c) 25 and 12  
(d) 23 and 22

88). A hemispherical vessel of internal radius 15 cm is full of a liquid. This vessel is to be emptied by a cylindrical bottle of radius 3 cm and height 10 cm. How many such bottles are required to empty the bowl?

- (a) 32 (b) 50 (c) 30 (d) 25

89). 
$$\frac{19}{15} + \left[ \frac{3}{10} + \left\{ \frac{2}{3} + \left( \frac{5}{3} - \frac{2}{5} + \frac{7}{2} \right) \right\} \right] = ?$$

- (a) 0 (b) -1 (c) 13/15 (d) -2

90). Evaluate 
$$\frac{12 - [6 - \{7 + \overline{8 - 5}\}]}{\{2 + 5 + (14 \div 7 \div 2)\}}$$

- (a) 3 (b) 2 (c) 4 (d) 5

91). The list price of an article is Rs. 1200 . It is sold after two successive discounts of 20% and 15%. What is the selling price of article?

- (a) Rs. 816 (b) Rs. 800 (c) Rs. 820  
(d) Rs. 780

92). When a marketer allows 30% commission on the retail price of his product, he earns profit of 5%. What would be his percentage profit if the commission is reduced by 20%?

- (a) 20% (b) 10% (c) 22% (d) 14%

93). Two friends starts theirs bikes at the same time from A and B and travelled towards each other at the rate of 48 kmph and 42 kmph. When they meet at certain distance then one friend has covered 384 km more than the other friend. What is the distance between A and B ?

- (a) 6400 (b) 5000 (c) 5760 (d) 4800

94). Manish travels 72 km with a speed of 24 km/h. He travels another 60 km with a speed of 30 km/h. What is his average speed for the entire journey?

- (a) 132/5 km/h (b) 130/5 km/h (c) 20 km/h  
(d) 22 km/h

95). In Kanchipuram 57% people speaks Tamil, 28% speaks Hindi and 15% speaks both the languages. If 21000 people does not any of the languages, then how many people speak Hindi?

- (a) 6300 (b) 18400 (c) 19600 (d) 33000

96). The perimeter of the top of a rectangular table is 34 m and its area is  $60 \text{ m}^2$ . What is the length (in metres) of its diagonal?

- (a) 17 (b) 13 (c) 14 (d) 15

97). The loss percentage when a T-shirt is sold at Rs. 275 is the same as that of the profit when it is sold at Rs. 305 . Find above mentioned percentage of profit or loss on the article is:

- (a) 10 (b) 20 (c) 5.17 (d)  $22\frac{2}{3}$

98). The average price of 80 mobile phones is Rs. 30,000. If the highest and lowest price mobile phones are sold out then the average price of remaining 78 mobile phones is Rs. 29,500. The cost of the highest mobile is Rs. 80,000. The cost of lowest price mobile is:

- (a) Rs. 18000 (b) Rs. 15000 (c) Rs. 19000  
(d) Can't be determined

99). The compound interest on a sum of ₹ 6,400 at 22.5% p.a. for 2 years, when the interest is compounded 8 monthly, is:

- (a) ₹ 3636.60 (b) ₹ 3333.60 (c) ₹ 3204.00  
(d) ₹ 3402.00

100). A solid cube of 4 inches has been painted red, green and black on pair of opposite faces. It has been cut into one inch cubes. How many cubes have only Red and Green faces?

- (a) 4 (b) 8 (c) 16 (d) 24