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# RRB NTPC

## TEST SERIES

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

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

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 21

QUESTION- 100

MARKS- 100

NEGATIVE MARK- 1/3

DURATION- 90 MIN.

1. USE ONLY BALL PENS WITH BLACK OR BLUE INK
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.
7. BLANK PAGES ARE AVAILABLE IN THIS QUESTION BOOKLET FOR ROUGH WORK.
8. CANDIDATES CANNOT LEAVE THE ROOM BEFORE THE END OF THE EXAMINATION.
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.
10. AFTER THE COMPLETION OF THE EXAMINATION, THE CANDIDATE IS ALLOWED TO TAKE THE QUESTION BOOKLET AND ANSWER SHEET WITH HIM/HER.
11. 1 MARKS WILL BE GIVEN FOR EACH CORRECT ANSWER AND 1/3 MARKS WILL BE DEDUCTED FOR EACH WRONG ANSWER.



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Total: 100 Que.

RRB NTPC Set 21

Time: 90 Min.

**RRB NTPC CBT I**

1). Which of the following awards does not come under Civilian Awards?

- (a) Bharat Ratna (b) Padma Bhushan  
(c) Padma Shri (d) Param Vir Chakra

2). What is the diameter of Ashok Chakra medal?

- (a) 1.4 inch (b) 1.38 inch (c) 1.05 inch  
(d) 1.04 inch

3). Which planet has largest planetary magnetosphere in the solar system?

- (a) Earth (b) Jupiter (c) Mars (d) Neptune

4). Deflation is a situation in which \_\_\_\_\_.

- (a) The value of money is falling.  
(b) The price of goods is increased  
(c) The value of money is increased  
(d) The price level is stagnant.

5). Constituent Assembly adopted the Constitution on \_\_\_\_\_.

- (a) 15<sup>th</sup> August 1947 (b) 26<sup>th</sup> November 1949  
(c) 26<sup>th</sup> January 1950 (d) 30<sup>th</sup> January 1948

6). Gross National Product – Depreciation Allowance = ?

- (a) Net National Product  
(b) Gross Domestic Product  
(c) Per Capital Income (d) Personal Income

7). Supreme Court is the guardian of

- (a) Fundamental Rights (b) Directive Principles  
(c) Preamble (d) Centre and State disputes

8). Swaraj Party was formed following the failure of:

(a) Non-Cooperation Movement

(b) Civil Disobedience Movement

(c) Rowlatt Bill Satyagraha

(d) Champaran Satyagraha

9). \_\_\_\_\_ is the rate at which the central bank discounts the bills of commercial banks

- (a) SLR (b) Bank rate (c) CRR (d) Base Rate

10). Which committee/committees was/were formed for analyzing Poverty Line scenario of our country

- (a) Suresh Tendulkar Committee  
(b) Urjit Patel Committee  
(c) C Rangarajan Committee (d) Both a and c

11). How many members are nominated by the President in the Rajya Sabha?

- (a) 2 (b) 10 (c) 12 (d) 15

12). Lord Cornwallis is known for \_\_\_\_\_.

- (a) permanent revenue settlement of Bengal  
(b) attacking the caste system  
(c) land revenue settlement of United States  
(d) ryotwari settlement of Madras

13). The highest airport in India is

- (a) Dharamshala airport (b) Pithoragrah airport  
(c) Leh airport (d) Dehradun airport

14). Which is the busiest muscle in the human body?

- (a) Eye muscle (b) Ear muscle (c) Nose muscle  
(d) None of these

15). Which of the following cases is related to Centre-State Relation?

- (a) SR Bommai case (b) I.R. Coelho case  
(c) Lily Thomas case (d) Shreya Singal case



16). Jallianwalla Bagh Massacre (1919) occurred during period of which viceroy?

- (a) Lord Chelmsford (b) Lord Curzon  
(c) Lord Hardinge II (d) Lord Reading

17). Which is the oldest High Court in India?

- (a) Calcutta High Court (b) Madras High Court  
(c) Bombay High Court (d) Allahabad High Court

18). The Environment Protection Act of 1986, came into force soon after which of the following disasters in India?

- (a) Bhopal Gas Tragedy (b) Oleum Gas Leak  
(c) Chernobyl Disaster  
(d) Oil and gas leak in Assam

19). Which of the following is the first State in India formed on the basis of languages?

- (a) Kerala (b) Madhya Pradesh  
(c) Andhra Pradesh (d) Uttar Pradesh

20). Which one of the following Buddhist text mentions the 16 Mahajanapadas?

- (a) Sutta Pitaka (b) Angutara Nikaya  
(c) Khandhaka (d) Abhidhamma Pitaka

21). In case of Delhi, Chief Minister is appointed by-

- (a) Lieutenant Governor (b) President of India  
(c) Council of Ministers of Delhi  
(d) None of the above

22). Which among the following is not among the other directives (directives other than Directive Principle in Part 4)?

- (a) Article 335 (b) Article 350-A (c) Article 338  
(d) Article 351

23). An aquarium is

- (a) a artificial biome (b) a artificial biosphere  
(c) an artificial ecosystem  
(d) an natural ecosystem

24). What is the full meaning of NRC?

- (a) National Registration of Citizenship  
(b) National Register of Citizens

(c) National Records of Citizens (d) None of these

25). Under which one among the following situations, the equal status of Rajya Sabha and Lok Sabha does not hold?

- (a) Approval of Ordinances issued by the President  
(b) Impeachment of the President  
(c) Approval of proclamation of National emergency  
(d) A resolution for the discontinuance of the national emergency

26). Who among the following Presidents once used the power of Pocket Veto in India?

- (a) Dr. Rajendra Prasad  
(b) Neelam Sanjeeva Reddy (c) Giani Zail Singh  
(d) A.P.J. Abdul Kalam

27). The Money Bill is defined in which Article of the Constitution of India?

- (a) Article 109 (b) Article 110 (c) Article 111  
(d) Article 112

28). Fundamental Rights can be suspended during an emergency by:

- (a) Governor (b) High Court (c) Supreme Court  
(d) President

29). Who can confer additional functions to the Union Public Service Commission?

- (a) The President of India  
(b) The Chairman, UPSC (c) The Parliament  
(d) The Prime Minister

30). Which Schedule of Indian Constitution contains the provisions on Panchayat Raj Institutions?

- (a) Tenth Schedule (b) Eleventh Schedule  
(c) Ninth Schedule (d) Twelfth Schedule

31). Which of the following cell is dead but still functions in the organism?

- (a) Epidermal (b) Endodermis (c) Pericycle  
(d) Cortex

32). Wi-Fi stands for\_\_\_\_\_

- (a) Wire Free Service (b) Wireless Facility  
(c) Wireless Fidelity (d) Wire Fidelity

- 33). Panchayati Raj system is organised at  
(a) Block Level only (b) Village & district level  
(c) Village and Block (d) Village, Block, District

- 34). Which of the following gases is used as rocket propellant and in welding?  
(a) Argon (b) Neon (c) Iso Cynate  
(d) Cyanogen

- 35). In which year, was the National Investigation Agency established?  
(a) 2005 (b) 2007 (c) 2008 (d) 2001

- 36). The headquarters of Bharat Electronics Limited (BEL) is situated in  
(a) New Delhi (b) Bengaluru (c) Kolkata  
(d) Mumbai

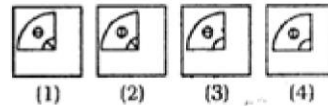
- 37). According to the RBI Remittance Survey, the country with the highest share in inward remittances to India in 2020-21 was \_\_\_\_\_.  
(a) United States (b) United Arab Emirates  
(c) United Kingdom (d) Singapore

- 38). Recently who has started an outreach program called 'Julie Ladakh'?  
(a) Army (b) Navy (c) Air Force  
(d) None of these

- 39). Where has the two-day Science-20 conference started recently under G-20?  
(a) Mumbai (b) Jaipur (c) Bhopal (d) Lucknow

- 40). Which country's government has recently started 'Y Break - Yoga at Office Chair'?  
(a) Russia (b) Japan (c) India (d) Italy

- 41). Which answer figure will complete the pattern in the question figure?  
Question figure



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

- 42). **Direction:** In the following question, a statement is given followed by two courses of action. Assuming everything given in the statement is true, decide which of the option logically worth pursuing.

**Statement:**

During a flight, the pilot found that one of the engines of the airplane is not working.

Courses of action:

- I. The pilot should try to land in the nearest airport as soon as possible and follow the instruction from air traffic control.  
II. Crashland immediately and do not wait for any instructions as it will waste time.

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

- 43). Golu is son of Bhola. Sheetal is daughter of Golu. Chitra is daughter of Dilip and Dilip is brother of Bhola. How is Chitra related to Sheetal?  
(a) Sister (b) Mother (c) Aunt (d) Mother in law

- 44). Kavya's birthday is on Tuesday 4th July. On what day of the week will be Anika's Birthday in the same year, if Anika was born on 15th August?  
(a) Wednesday (b) Friday (c) Saturday  
(d) Tuesday

- 45). In how many ways the letters of the word 'MOBILE' be arranged, so that, the vowel and consonants occupy alternate positions?  
(a) 56 (b) 20 (c) 90 (d) 72

- 46). In the question below, two statements are given, followed by two conclusions. You have to consider the given statements as true, even if they are at variance from commonly known facts. From the given options, choose the one that provides the correct combination of conclusions that follow/ can be derived from the given statements.

**Statement A:** A green leaf doesn't resist turning red when autumn approaches.

**Statement B:** Likewise, humans must also not fight the law of the Universe.

**Conclusions:**

- I. Leaves turning red in autumn is the law of the



Universe.

II. Humans are not that different from leaves.

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

**47). Statement:**

It is found that the computer of one of the top officials in the prime minister's office is hacked. Which of the following substantiates the given statement?

- I. The government may stop providing computers to top officials.  
II. The government may order an immediate change of security features on all computers used by top officials.  
III. The official concerned may be arrested.

- (a) Only (I) (b) Only (II) and (I) (c) Only (III)  
(d) Only (II)

**Direction:** Read the given information and answer the question that follows.

7 people P, Q, R, S, T, V, and W give a test starting from Monday to Sunday. 4 people give the test between R and S. P gives the test on Wednesday. No person gives the test between P and Q. There are 3 people who give the test between T and V. T gives the test before V. W does not give the test on Sunday. At least 2 people give the test before S.

**48).** How many people attempt the test after R?

- (a) 1 (b) 5 (c) 3 (d) 4

**49).** A+B means A is the sister of B. A÷B means A is the brother of B. A×B means A is the father of B. A±B means A is the mother of B. Which of the following expression represents P is sister of Q?

- (a)  $P \pm R \div Q$  (b)  $P \times R \div Q$  (c)  $P + R \pm Q$  (d)  $P + R \div Q$

**50).** Fill up the missing letter and number.

A1	C2	E3
G4	I5	?
M5	O7	Q12

- (a) K8 (b) J15 (c) K9 (d) L10

**51).** A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
15, 35, 63, ?, 143, 195

- (a) 99 (b) 77 (c) 85 (d) 98

**52).** Which letter will replace the question mark (?) in the following series?

G, I, F, K, ?, O, B

- (a) D (b) N (c) T (d) L

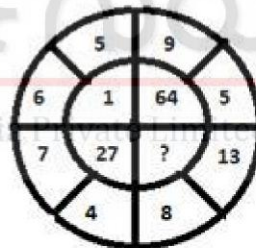
**53).** Point B is in the east of Point C at 30m. Point C is in the north of Point D at 25m. Point D is in the west of Point E at 50m. Find the shortest approximate distance between C and E, and also find the direction of E with respect to B.

- (a) 56m, south-east (b) 60m, south-east  
(c) 65m, south-west (d) 70m, south-west

**54).** In a certain code language, LARVAE is coded as 15-1-9-5-1-2. How will INSECT be coded as in that language?

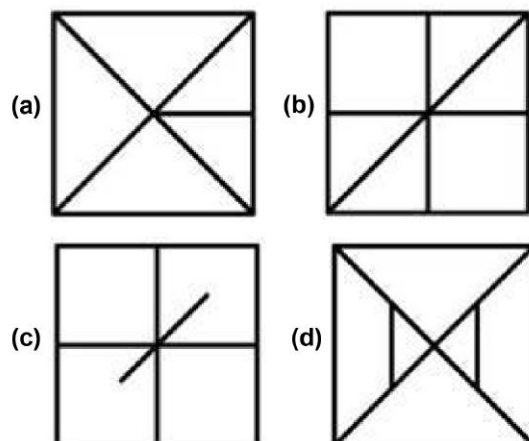
- (a) 3-13-8-2-24-7 (b) 18-13-8-2-24-7  
(c) 3-13-8-22-24-7 (d) 9-13-8-22-24-7

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

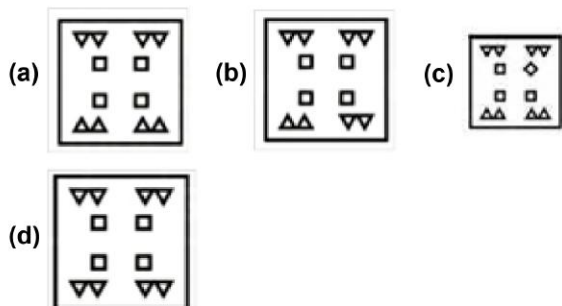
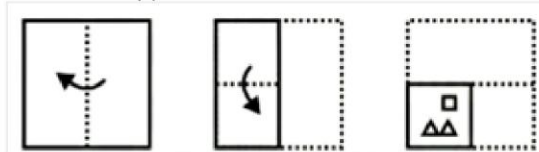


- (a) 216 (b) 125 (c) 36 (d) 343

**56).** Select the option in which the given figure is embedded. (Rotation is not allowed)



- 57). A paper is folded and cut as shown below. How will it appear when unfolded?



- 58). Five phones, H, M, R, T and V are kept one above the other not necessarily in the same order. The number of phones above T is the same as the number of phones below V. R is just above H. V is at the bottom. There are two phones between M and V. Which of the following phones are above R?

- (a) M and T (b) R and I (c) M and V  
(d) M and H

- 59). Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**

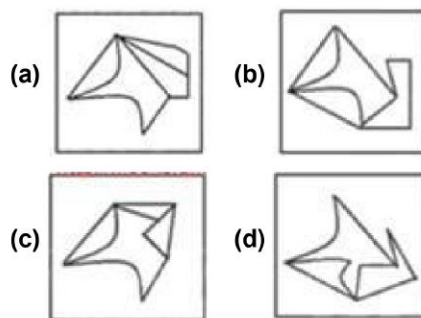
- I. All markers are pens.  
II. No pen is pencil.  
III. Some pens are sharpeners.

**Conclusions:**

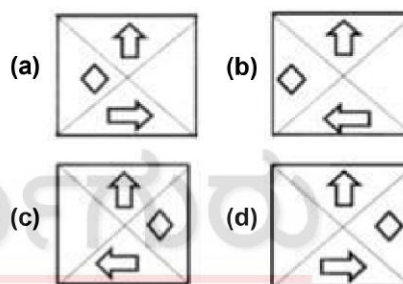
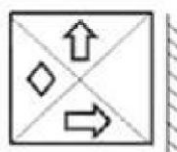
- I. Some pens are markers.  
II. No marker is pencil.  
III. No marker is sharpener.

- (a) Conclusions I and II follow  
(b) Conclusions II and III follow.  
(c) Either conclusion I or II follow.  
(d) Conclusions I and III follow

- 60). Select the option in which the given figure is embedded. (Rotation is not allowed)



- 61). Choose the option that most closely resembles the mirror image of the given Figure when mirror is placed at right side.



- 62). In the following question, select the related word from the given alternatives.  
Ink : Pen :: Blood : ?

- (a) Donation (b) Vein (c) Accident (d) Doctor

- 63). Select the option that is related to the third term in the same way as the second term is related to the first term.  
House : Kitchen :: Plant : ?

- (a) Roots (b) Leaves (c) Flower (d) Stigma

- 64). In the following question, one statement is followed by two Assumptions I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You have to decide which of the given assumption(s), if any, follow(s) from the given statement.

**Statement:** "If you work hard, you will pass the examination".

**Assumptions:**

- I. You will not pass the examination.  
II. To pass, you must work hard.

- (a) If only assumption I is implicit.  
(b) If only assumption II is implicit.



(c) If neither I nor II is implicit.

(d) If both I and II are implicit.

65). Select the number that can replace the question mark (?) in the following series.

13, 17, 16, 14, 19, 11, 22, ?

(a) 9 (b) 8 (c) 7 (d) 10

66). In a certain code language, 'SAT' is written as '42' and 'PES' is written as '42' What is the code for 'AZC' in that code language?

(a) 32 (b) 34 (c) 42 (d) 44

67). A question and two statements labeled (I), (II) are given. You have to decide which statement(S) is/are sufficient to answer the question.

What is Guna's age?

I. Guna, Vinay and Keshav are all of the same age.

II. Sum of ages of Vinay, Keshav and Arjun is 32; also Arjun is as old as Vinay and Keshav together.

(a) Statement II alone is sufficient.

(b) Both the statements together are needed

(c) Either I or II alone are sufficient.

(d) Statement I alone is sufficient.

68). In the following question, one statement is followed by two Assumptions I and II. You have to consider the statement to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given assumption(s), if any, follow(s) from the given statement.

**Statement:** "Peace and justice are the two sides of the same coin."

**Assumptions:**

I. Peace and justice cannot coexist.

II. Peace and justice thrive together.

(a) If only assumption I is implicit.

(b) If only assumption II is implicit.

(c) If neither I nor II is implicit.

(d) If both I and II are implicit.

69). In a certain code language 'PSYCHOANALYSE' is written as '! @ # \$ % ^ & \* &

<# @ >'. How will 'CANALS' be written in that code?

(a) \$ & \* & < @ (b) # % \* % < @ (c) \$ & \* & # @

(d) @ # ^ & ^ %

70). Manish after walking 15 km towards east turns 135 degree in the clockwise direction and walks 17 km. How far is he from his starting position?

(a) 12 km (b) 8 km (c) 10 km (d) 9 km

71). If  $a + b + c = 6$ ,  $a^2 + b^2 + c^2 = 26$  then what is the value of  $ab + bc + ca$ ?

(a) 0 (b) 2 (c) 4 (d) 5

72). The price of a motorcycle is cut by  $33\frac{1}{3}\%$ . To

restore to its original value, the new price of motorcycle will be increased by.

(a)  $66\frac{2}{3}\%$  (b) 50% (c) 25% (d) 45%

73). A bus travels 720 km in 20 hours. Calculate its average speed in meters/second.

(a) 12 (b) 15 (c) 18 (d) 10

74). A man purchases 105kg of rice at the rate of Rs 10 per kg and 35kg of rice at the rate of Rs 12 per kg. After mixing both, he sells it at 30% profit. What is the total selling price of the rice?

(a) Rs.1911 (b) Rs.1956 (c) Rs.1867

(d) Rs.1891

75). Average speed of a train with and without stoppage are 45 km/h and 54 km/h respectively. What is the stoppage time per hour?

(a) 8 min (b) 10 min (c) 12 min (d) 15 min

76). A's 2 days work is equal to the B's work of 3 days. If A can complete the whole work in 10 days then to complete the work, B will take:

(a) 14 days (b) 15 days (c) 12 days

(d) 16 days

77). If  $x = 3^{2^3} \times 2^3 \div (\sqrt[3]{729})^2$ ; then the value of x is:

(a) 648 (b) 746 (c) 758 (d) 636

78). The average marks in Math, Science and English is 72. The average marks in Science, English and History is 64. If the marks in History is 56, what is the marks in Math?

- (a) 78 (b) 88 (c) 80 (d) 91

79). The average of 5 numbers is 6. The average of 3 of these numbers is 8. What is the average of the remaining two numbers?

- (a) 3 (b) 4 (c) 4.5 (d) 2.5

80). The HCF and LCM of two numbers are 84 and 21 respectively. If the ratio of the two numbers is 1 : 4. Then the larger of two numbers is :

- (a) 12 (b) 48 (c) 84 (d) 108

81). The difference between simple interest and compound interest on a certain sum of money for 3 years at 20% per annum is Rs. 674. The sum is:

- (a) Rs. 5765.50 (b) Rs. 5525.325  
(c) Rs. 5265.625 (d) Rs. 6120.25

82). The speed of the car increases by 2 km/hr every hour. If the total distance travelled in 8 hours is 728 km, what was the initial speed of the car?

- (a) 84 km/hr (b) 72 km/hr (c) 96 km/hr  
(d) 80 km/hr

83). The value of  $9 \times 6 \div 24 + 8 \div 2$  of  $5 - 30 \div 4$  of  $4 + 27 \times 5 \div 9$  is :

- (a)  $\frac{647}{40}$  (b)  $\frac{493}{8}$  (c)  $\frac{259}{8}$  (d)  $\frac{243}{8}$

84). If the cost price of 16 articles is equal to the selling price of 12 articles and the discount on 12 articles is equal to the profit on 6 articles. What is the percentage point difference between the profit percentage and discount percentage?

- (a) 22.22% (b) 11.11% (c) 33.33%  
(d) None of these

85). If  $a + a^{-1} = 5$  then  $a^3 + a^{-3}$  is:

- (a) 80 (b) 110 (c) 10 (d) 140

86). A trader marks his goods at 60% above the cost price and allows a discount of 25%. What is his gain percent?

- (a) 30% (b) 20% (c) 25% (d) 40%

87). If  $\frac{x+y}{z} = \frac{7}{2}$  and  $\frac{y+z}{x} = \frac{5}{4}$ , find  $\frac{x+z}{y}$ ?

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

88). If  $\left(x + \frac{1}{x}\right) = 2.5$ , find the value of  $\left(x^4 + \frac{1}{x^4}\right)$ ?

- (a) 16.0625 (b) 18.0625 (c) 17.0625  
(d) 19.025

89). Ms. Revathi borrowed Rs. 600 at 6% per annum simple interest. What amount (in rupees) will she pay to clear her debt after 4 years?

- (a) 700 (b) 150 (c) 744 (d) 144

90). A sector is cut out from a circle of diameter 28 cm. If the angle of the sector is  $120^\circ$ . What will be area of the sector?

- (a)  $205.33 \text{ cm}^2$  (b)  $195.55 \text{ cm}^2$  (c)  $215.35 \text{ cm}^2$   
(d)  $165.22 \text{ cm}^2$

91). The sum of the internal angles of a regular polygon is  $1620^\circ$ . What is the number of sides of the polygon?

- (a) 12 (b) 9 (c) 10 (d) 11

92). The value of  $5 - \frac{1}{4 + \frac{1}{3 - \frac{1}{1 + \frac{1}{2}}}}$  is:

- (a)  $\frac{148}{31}$  (b)  $\frac{137}{36}$  (c)  $-\frac{148}{31}$  (d)  $-\frac{137}{36}$

93). Manish after walking 15 km towards east turns  $135^\circ$  in the clockwise direction and walks 17 km. How far is he from his starting position?

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

94). If A exceeds B by 40%, B is less than C by 20%, then find A : C.

- (a) 25 : 28 (b) 20 : 27 (c) 28 : 25 (d) 19 : 22

95). A boy eats 50 mangoes in 5 days. Each day, he eats 3 mangoes more than the previous day.



How many mangoes does he eat on 3<sup>rd</sup> day?

- (a) 15 (b) 20 (c) 25 (d) 10
- 

96). The sum of length, breadth and height of a cuboid is 20 cm. If the length of the diagonal is 12 cm, then find the total surface area of cuboid.

- (a) 364 cm<sup>2</sup> (b) 264 cm<sup>2</sup> (c) 356 cm<sup>2</sup>  
(d) 256 cm<sup>2</sup>
- 

97). If A's income is 60% less than B's income, then B's income is what percentage more than that of A's income?

- (a) 80% (b) 120% (c) 150% (d) 40%
- 

98). The numerator of a fraction is 3 more than the denominator. When 5 is added to the numerator and 2 is subtracted from the denominator, the fraction becomes  $\frac{8}{3}$ . When

the original fraction is divided by  $5\frac{1}{2}$ , the

fraction so obtained is:

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

99). A and B solutions of acid and water. The ratios of water and acid in A and B are 4 : 5 and 1 : 2, respectively. If x litres of A is mixed with y litres, of B, then the ratio of water and acid in the mixture becomes 8 : 13. What is x : y?

- (a) 5 : 6 (b) 2 : 5 (c) 3 : 4 (d) 2 : 3
- 

100). In a rectangle, length and breadth are in the ratio of 5 : 2. If the perimeter of the rectangle is 126 cm, find the length of the rectangle.

- (a) 18 cm (b) 81 cm (c) 35 cm (d) 45 cm
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