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# RRB ALP

## TEST SERIES

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

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

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 07

QUESTION- 75

MARKS- 75

NEGATIVE MARK- 1/3

DURATION- 60 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 75 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: 75 Que.

RRB ALP CBT I Set 07

Time: 60 Min.

## RRB ALP CBT I

- 1). You have a question followed by two statements. Which of the following statement(s) is/ are required /sufficient to answer the question?

**Question :**

What is the total weight of 20 boxes of vegetables? Each of them is of equal weight.

**Statement:**

I. Of 10 boxes, one-third of each box weighs 10kg.

II. Total weight of 6 boxes is 60kg more than that of 4 boxes.

- (a) Neither statement I nor II is follow.  
(b) Both statements I and II are follow.  
(c) Only statement I is follow.  
(d) Only statements II is follow.

- 2). A cistern can be filled by two pipes A and B in 4 hours and 6 hours respectively. When full, the tank can emptied by a third pipe C in 8 hours. If all taps are turned on at the same time, the cistern will be full in?

- (a)  $\frac{40}{7}$  hours (b)  $\frac{16}{7}$  hours (c)  $\frac{24}{7}$  hours  
(d)  $\frac{31}{7}$  hours

- 3). When is National Sports Day celebrated?

- (a) 26 August (b) 27 August (c) 28 August  
(d) 29 August

- 4). In a code language COCK is written as DPDL, then how will HEN be written in the same code language?

- (a) HEO (b) ICO (c) IDP (d) IFO

- 5). The breakdown of pyruvate using  $O_2$  takes place in the \_\_\_\_\_.

- (a) lysosomes (b) Mitochondria (c) Vacuoles  
(d) Nucleus

- 6). Karewas a type of soil/deposit, is found in which Indian state?

- (a) West Bengal (b) Nagaland (c) Rajasthan  
(d) Jammu & Kashmir

- 7).  $22 - [23 - \{24 - (27 - 25 + 30)\}] = ?$

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

- 8). 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)  $0^\circ$

- 9). A ray of light passes from water to glass. It bends-

- (a) towards the normal and speeds up  
(b) towards the normal and slows down  
(c) away from the normal and speeds up  
(d) away from the normal and slows down

- 10). Aadhy walks 500m North and turns left and walks 250 m. In which direction is she with respect to her initial position?

- (a) South-West (b) South-East (c) North-East  
(d) North-West

- 11). The Central Government's initiative aimed at bringing masses within the formal banking system is called.

- (a) Jan Admi Yojana (b) Rupay Yojana  
(c) Jan Bank Yojana (d) Jan Dhan Yojana

- 12). The pH of the solutions are given. Which of the solutions has the highest concentration of hydrogen ions? 4.7, 8.0, 2.4, 10.1

- (a) 4.7 (b) 10.1 (c) 2.4 (d) 8.0



13). An electric lamp of 120w is used for 8 hours per day. Calculate the units of energy consumed by the lamp in one day,

- (a) 16.00 units (b) 0.96 units (c) 2.00 units  
(d) 1.50 units

14). What is the correct formula of calcium hydroxide?

- (a) CaOH (b) CaOH<sub>2</sub> (c) Ca<sub>2</sub>OH (d) Ca(OH)<sub>2</sub>

15). Which among the following is not related to the group?

- A. Cotton  
B. Wool  
C. Rayon  
D. Cardboard

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

16). Mamata is the mother of Surya. How is Mamata's brother related to Surya's brother?

- (a) Brother (b) Father (c) Maternal uncle  
(d) Grandfather

17). Name the book authored by K.R. Meera which raised pertinent questions about the politics of faithfulness and the price of idealism.

- (a) The Gospel of Yudas (b) Gilletin (c) Arachar  
(d) Nithromilanam

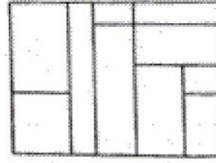
18). If North East become North then what will East become?

- (a) South East (b) South West (c) North East  
(d) North West

19). The digit in the units place of the number represented by  $(7^{95} - 3^{58})$  is-

- (a) 7 (b) 6 (c) 0 (d) 4

20). How many rectangles are there in the following figure?



- (a) 22 (b) 20 (c) 24 (d) 21

21). Which of the following is malleable and ductile?

- (a) Phosphorus (b) Copper (c) Carbon  
(d) Sulphur

22). A 40 kg girl runs up a flight of stairs having a rise of 5 m in 4 s. The power developed by her will be (take  $g = 10 \text{ m/s}^2$ )

- (a) 200 W (b) 2000 W (c) 500 W (d) 100 W

23). Consider the given statements to be true even if they seem to be at variance with the commonly known facts and decide which of the given Conclusions logically follow(s) from the statements.

Statement :

- I. All covers are plastic  
II. All plastics are toxic

Conclusion :

- I. All plastics are cover  
II. All toxics are cover

- (a) All Conclusions follow  
(b) Only Conclusion II follows  
(c) Only Conclusion I follows  
(d) No Conclusion follows

24). A ministerial round table conference will be held between India and which country recently?

- (a) Malaysia (b) Greenland (c) Singapore  
(d) Myanmar

25). From which Indian state did Velu Thampi Dalawa was associated? He is known for revolting against the British.

- (a) Mysore (b) Travancore (c) Chola empire  
(d) Vijayanagaram

26). In which group of the modern periodic table are halogens placed?

- (a) 1st (b) 17th (c) 16th (d) 18<sup>th</sup>

27). Where has the world's largest 'diamond' been found recently?

- (a) India (b) Botswana (c) Angola (d) Namibia

28). Which among the following does not belong to the group?

- A. Nail  
B. Hair  
C. Acne  
D. Toe

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

29). In which of the following plants is the plant body NOT differentiated into roots, stem and leaves?

- (a) Chara (b) Marsilea (c) Spirogyra (d) Riccia

30). When the following decimals are arranged in ascending order then what decimal number should be in the middle ?

5.74, 6.03, 0.8, 0.658 and 7.2

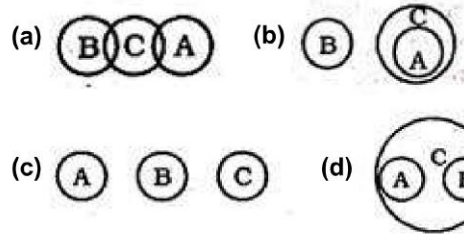
- (a) 6.03 (b) 7.2 (c) 5.74 (d) 0.8

31). To which country has Prime Minister Modi recently gifted "Bhishma Cubes"?

- (a) Bangladesh (b) Ukraine (c) Myanmar  
(d) Poland

32). Which of the following Venn diagrams correctly represents the relationship between the given classes?

- i. Table  
ii. Cloth  
iii. Wood

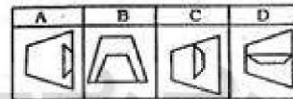


33). Which of the option figures bears the closest resemblance to the question figure?

Question Figure:



Answer Figures:



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

34). Select the option that is related to the third word on the same basis as the second is related to the first? Glass : Transparent :: Wood:\_\_\_\_\_

- (a) Opaque (b) Paint (c) Furniture (d) Block

35). In which year was the battle of Waterloo fought?

- (a) 1850 (b) 1840 (c) 1815 (d) 1835

36). Read the given statements and conclusions carefully and select which of the conclusions logically follows from the statements.

Statements:

- Some pins are metals.  
Some clips are metals.

Conclusions:

- I. Some metals are pins.  
II. Some pins are clips.

- (a) Both the Conclusions follow  
(b) Only Conclusion I follows  
(c) No Conclusion follows  
(d) Only Conclusion II follows

37). If South becomes South East, then what will North becomes?

- (a) South West (b) North East (c) North West  
(d) South East

38). Given is a statement followed by two assumptions numbered I and II. Consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

**Statement:**

Sustainability can be defined as the practice of meeting the needs of the current generation without degrading or des-troying the natural resources (e.g. water, soil, biodiversity, oil, minerals).

**Assumptions:**

I. Our lives and economies are dependent on natural capital, which is made up of these natural resources and natural services, and the energy provided by the sun.

II. Just as every investor knows, we should invest our capital and live off on the interest, or income, it provides. To live sustainably, we need to do the same; protect our natural capital and live off our biological income.

- (a) Neither I nor II are inherent.  
(b) Both I and II are inherent.  
(c) Only II is inherent. (d) Only I is inherent.

39). Which one of the following is NOT a simple permanent tissue?

- (a) Sclerenchyma (b) Xylem (c) Parenchyma  
(d) Collenchyma

40). Which of the following compounds does NOT possess water of crystallisation?

- (a) Copper sulphate (b) Baking soda  
(c) Gypsum (d) Washing soda

41). In a class there were 9. boys and some girls. In a test, the mean score obtained by the boys was 13 while that obtained by the girls was 15. If the overall average was 14.28, what was the total number of students in the class?

- (a) 27 (b) 26 (c) 24 (d) 25

42). Which of the following sports is Yuzvendra Chahal related to?

- (a) Cricket (b) Shooting (c) Hockey (d) Tennis

43). Sound waves with frequencies below the audible range are called.

- (a) Ultrasonic (b) Ultrasound (c) Supersonic  
(d) Infrasonic

44). Who classified the elements based on atomic number?

- (a) Mendeleev (b) Dobereiner (c) Newland  
(d) Moseley

45). Read the question below and decide which of the following equation is sufficient to answer the question.

**Question:**

What is the value of x?

**Equations:**

I.  $x^2 - 18x + 81 = 0$

II.  $P + q + r = 0$

- (a) Only II is sufficient  
(b) Neither I nor II is sufficient  
(c) Only I is sufficient (d) Either I or II is sufficient

46). If '+' becomes '÷' and 'x' becomes '+' then what will be the value of  $\{(36 \div 6) + 6\} \times 12$ ?

- (a) 6 (b) 13 (c) 12 (d) 21

47). Who released 1,000 and 10 commemorative coins on the occasion of the Nabakalebara festival at a function held in Puri, Odisha?

- (a) Governor of Odisha  
(b) Chief minister of Odisha



- (c) Prime Minister of India (d) President of India

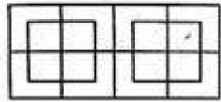
48). Which among the following union ministers of India launched the mobile app 'Celebrating Yoga' to connect people through Yoga for scientific healthy living?

- (a) Smriti Irani (b) Harshvardhan  
(c) Jagat Prakash Nadda (d) Mahesh Sharma

49). Who has recently been banned by SEBI (Securities and Exchange Board of India) from the capital market for 05 years?

- (a) Anil Ambani (b) Bajaj Enterprises  
(c) Gautam Adani (d) Aditya Birla

50). Find the number of squares in the following figure.



- (a) 23 (b) 21 (c) 22 (d) 20

51). If the length and breadth of a rectangle are increased by 8% and 12% respectively, then by what percent does the area of that rectangle increase?

- (a) 24% (b) 20% (c) 20.96% (d) 22%

52). Consider the given statement and decide which of the following assumptions is/are implicit in the statement.

**Statement:**

"The final exams are getting near", Rina reminded her daughters.

**Assumptions:**

I. She wants them to remember about their study scheldule.

II. She wants them to give serious thought to their exams.

- (a) I and II are both inherent.  
(b) Neither I nor II is inherent.  
(c) Only I is inherent (d) Only II is inherent.

53). The velocity of vertically thrown ball, with time, will be-

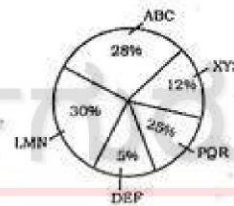
- (a) Downwards positive (b) Downwards negative  
(c) Upwards positive (d) Upwards negative

54). If  $a + b + c = 2s$ , then what will be the value of

$$[(s-a)^2 + (s-b)^2 + (s-c)^2 + s^2] = ?$$

- (a)  $(a^2 + b^2 + c^2)$  (b)  $(s^2 - a^2 - b^2 - c^2)$   
(c)  $(4s^2 - a^2 - b^2 - c^2)$  (d)  $(s^2 + a^2 + b^2 + c^2)$

55). The given pie chart shows information about the mobile phone manufacturing companies in India. The total number of mobile phone units manufactured is 12,40,000.



How many units of mobile phones are manufactured by company DEF?

- (a) 31,000 (b) 62,000 (c) 1,24,000 (d) 15,600

56). The point where entire weight of an object acts is known as \_\_\_\_\_

- (a) Centre of gravity (b) Centre of mass  
(c) Centre of pressure (d) Centre of Friction

57). In what time can Saloni cover a distance of 450 m, if she runs at a speed of 20 km/hr.?

- (a) 3 min (b) 102 sec. (c) 320sec. (d) 81 sec.

58). If two unequal masses possess the same kinetic energy, then the heavier mass has.

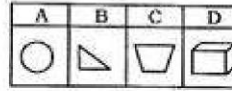
- (a) lower speed (b) higher speed  
(c) lesser momentum (d) greater momentum

59). Find compound interest on 50000 at 12% per annum for 6 months, compounded quarterly.

- (a) 2,875 (b) 2,965 (c) 3,125 (d) 3,045

60). 5-8% acetic acid is called:

- (a) Ethanol (b) Vinegar (c) Ester  
(d) Glacial Acetic Acid



- 61). Which is the longest river in Europe?  
(a) Danube (b) Rhine (c) Volga (d) Ural

- (a) C, D and A (b) C and D (c) B, C and D  
(d) A and D

- 62). Which of the following animals reproduces by budding and can also carry out regeneration?

- (a) Planaria (b) Hydra (c) Plasmodium  
(d) Yeast

- 69). Which of the following events is celebrated every year on January 9 to mark the contribution of the overseas Indian community in the development of India?

- (a) Unnat Bhartiya Divas (UBD)  
(b) Overseas Indian Development Day (OIDD)  
(c) Pravasi Bhartiya Divas (PBD)  
(d) Akhil 'Bhartiya Divas (ABD)

- 63). The Election Commission of India (ECI) celebrated 8th National Voters Day across nation on \_\_\_\_\_ for enhanced participation of citizens in electoral process.?

- (a) 26 January (b) 25 January (c) 24 January  
(d) 28 January

- 70). Which of the following hormones brings about changes in appearance seen in boys at the time of puberty?

- (a) Insulin (b) Thyroxin (c) Animal Hormone  
(d) Testosterone

- 64). Choose the missing digit 'x' from the options given for the number 987x54, so that the number is completely divisible by 6.

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

- 71). A chemical reaction in which heat is generated is called a/ an \_\_\_\_\_

- (a) Exothermic reaction (b) Combustion reaction  
(c) Endothermic reaction  
(d) Displacement reaction

- 65). Which of the following numbers will have an irrational square root?

- (a) 6025 (b) 9025 (c) 3025 (d) 11025

- 72). Recently in which state "Global Muthamizh Murugan Conference" has been organized?

- (a) Andhra Pradesh (b) Kerala (c) Tamil Nadu  
(d) Karnataka

- 66). Electric bulbs are usually filled with chemically-inactive gases like \_\_\_\_\_.

- (a) Hydrogen (b) Oxygen (c) Chlorine  
(d) Nitrogen

- 67). Which of the following nations is the only country to win the ICC Under-19 Cricket World Cup four times?

- (a) South Africa (b) Australia (c) India  
(d) Newzealand

- 73). A ball is dropped from a height of 80m. The distance travelled by it in the fourth second will be \_\_\_\_\_ (take  $g = 10\text{m/s}^2$ )

- (a) 50 m (b) 80 m (c) 35 m (d) 15 m

- 68). Which of the following option figures are combined to form the question figure? Question Figure:



- 74). If P is 15 years now and will be 26 years old after 6 years, what is the ratio of their present ages?

- (a) 2:1 (b) 3:4 (c) 2:3 (d) 4:11

- 75). Find the day name of 24 March, 2006?

- (a) Monday (b) Sunday (c) Wednesday  
(d) Friday

