

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

RRB ALP

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 10

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 10

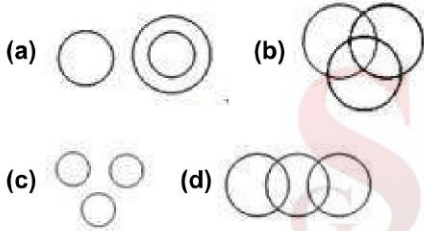
Time: 60 Min.

RRB ALP CBT I

- 1). $3[\sin x - \cos x]^4 + 6[\sin x + \cos x]^2 + 4[\sin^6 x + \cos^6 x] = ?$
(a) 6 (b) 13 (c) 3 (d) 4

- 2). Choose the appropriate Venn diagram among the following.

Pen, computer, paper

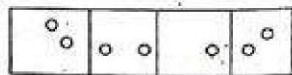
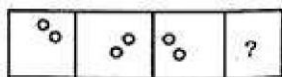


- 3). How much time will a train take to cross a signal post if the speed of the train is 60 km/hr If length of train is 200m?
(a) 30 sec (b) 1 min (c) 14 sec (d) 12 sec

- 4). _____ is the carrier of hereditary traits.

- (a) RNA (b) DNA (c) Ovule
(d) Pollen grain

- 5). Which option figure will replace (?) question mark is the figure series below?



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

- 6). Zygote is formed as a result of _____.

- (a) Pollination (b) Fertilization
(c) Photosynthesis (d) Sweating

- 7). Which social activist actively participated in movement against Narmada Valley Project?

- (a) Medha Patkar (b) Irom Sharmila Chanu
(c) Bidyaben Shah (d) Aruna Rai

- 8). By travelling at 57 km/h Chaman reaches at destination 3 minutes early. If he travels at 48 km/hr he gets delayed by 1 minute. Find the distance covered by Chaman.

- (a) 25.8 km (b) 20.26 km (c) 31.5 km
(d) 28.8 km

- 9). What will be the length of the bigger piece of a wire 24.6 long divided in the ratio of 12:29?

- (a) 7.7 m (b) 17.4 m (c) 18.4 m
(d) 15.2 m

- 10). What will be the next letter in the series?

B, F, I, M, P, T, ?

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

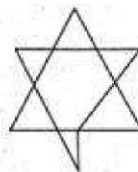
- 11). The British government started the process of indirect election in India by which of the following acts?

- (a) 1856 (b) 1892 (c) 1982 (d) 1956

- 12). The force of attraction in the particles of a body is maximum in _____

- (a) Air (b) Copper rod (c) Water
(d) Alcohol

- 13). How many triangles are there in the following figure?



(a) 6 (b) 8 (c) 7 (d) 11

14). _____ is the oldest public sector bank in India.

- (a) Allahabad bank (b) Bank of Baroda
(c) Bank of India (d) Andhra Bank

15). Babarnama which is the autobiography of Babar is written in _____ language.

- (a) Arabic (b) Persian (c) Turkish
(d) Urdu

16). Find the next term in the series?

3L 12, 9N14, 27P16, _____

- (a) 80R18 (b) 81S18 (c) 80S18 (d) 81R18

17). If LIT is coded as 12920, then how will THAT be coded?

- (a) 207120 (b) 206120 (c) 208120
(d) 205120

18). The diameter and slant height of a cone shaped tent is respectively 16 m and 5.6 m. If the width is to be 4 m, then how much cloth will be required to construct the tent?

- (a) 35 m (b) 32 m (c) 35.2 m (d) 32.5 m

19). What is the square root of 5476?

- (a) 84 (b) 74 (c) 76 (d) 66

20). A kiosk has different brands of chips. The 70% of the store sale comes from potato chips and 30% from other chips and wafers. The quarterly sale of the store is Rs. 1200,000. What is the monthly estimated sales of the potato chips?

- (a) Rs. 5,00,000 (b) Rs. 2,80,000
(c) Rs.2,50,000 (d) Rs.3,00,000

21). Select the term that is related to the third term in the same way as the second is related to the first?

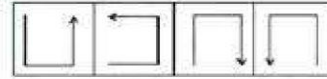
Close : Open :: Cut: _____

- (a) Jaw (b) Stitch (c) Attach (d) Gel

22). Recently RBI has lifted the ban on which bank's mobile app?

- (a) BOB (b) SBI (c) PNB (d) CBI

23). Find the odd one out?



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

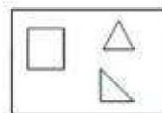
24). _____ class of animals are warm blooded

- (a) Pieces (b) Avian (c) Reptiles
(d) Amphibians

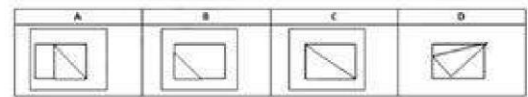
25). From fluorine to chlorine, bromine and iodine, the electronegativity _____

- (a) decreases (b) increases
(c) remains constant
(d) first decreases then increases

26). Which answer figure is formed from the given figures in the question figure? Question figure :



Answer figure :



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

27). _____ is a pure substance.

- (a) Air (b) Milk (c) Sugar solution
(d) Methane

28). Where has military dictator Idris Deby won the presidential election recently?

- (a) Sudan (b) Ghana (c) Chad (d) peru

29). What will be velocity of an object of $\frac{1}{2}$ m mass moving with the speed of $2V$?

- (a) $(mv)^2$ (b) $\frac{1}{2}mv$ (c) mv (d) mv^2

30). In which country has Google recently launched the Wallet app?

- (a) Thailand (b) Indonesia (c) India
(d) myanmar

31). Which of the following Vedas describes music?

- (a) Sam Veda (b) Atharva Veda
(c) Yajur veda (d) Rig Veda

32). The sum of the ages of two cousin brothers is 54 years, 11 years ago, the elder brother was three times the younger brother. What is the present age of the elder brother?

- (a) 36 years (b) 35 years (c) 32 years
(d) 34 years

33). _____ is an element of Group 18?

- (a) Alkaline soil metals (b) Halogen
(c) Noble gases (d) Alkali elements

34). The common name of Ethanoic acid is _____

- (a) Sodium hydroxide (b) Fuming acid
(c) Alcohol (d) Acetic acid

35). In India on which day is Major Dhyan Chand's birthday celebrated as sports day?

- (a) 29 April (b) 29 October (c) 29 August
(d) 29 December

36). Who has recently been appointed the official sponsor of Sri Lanka for the T-20 World Cup?

- (a) Parle (b) Amul (c) Oppo (d) PAYTM

37). Metallurgy is a process _____

- (a) to extract metals from ores.
(b) of rusting of iron. (c) of dilution

(d) of galvanization of ores

38). The colour of inactive litmus solution is _____

- (a) Blue (b) Black (c) purple (d) Violet

39). The chemical formula of rust is _____

- (a) $Fe_2OH \times H_2O$ (b) $FeO_3 \times H_2O$
(c) $Fe_2O_3 \times H_2O$ (d) $Fe_2O \times H_2O$

40). Which among the following does not affect the value of acceleration due to gravity?

- (a) Mass (b) Length (c) Shape of earth
(d) Depth

41). Galvanometer is used for _____.

- (a) to find the direction of magnetic induction.
(b) to find the direction of sound.
(c) to find the direction of current.
(d) to find the direction of light.

42). In which state has India's first 'Videsh Bhavan' been established?

- (a) Bihar (b) Maharashtra (c) Jharkhand
(d) Gujarat

43). Which among the following equation shows the relationship between velocity and distance?

- (a) $V = u + at$ (b) $2as = V^2 - u^2$
(c) $U = v + at$ (d) $S = ut + \frac{1}{2}at^2$

44). What will be the next in the given series?

2K, 5L, 10N, 17Q, ?

- (a) 20S (b) 18K (c) 25M (d) 26U

45). Which country has India recently overtaken as the world's third largest energy generator?

- (a) malaysia (b) Singapore (c) Japan
(d) Indonesia

46). Find the square root of 0.0324?

- (a) 1.08 (b) 1.8 (c) 0.18 (d) 0.018

- (a) 2028 (b) 2040 (c) 2026 (d) 2030

- 47). The following pie chart provides information about the sales figure of a toy making company for the financial year 2023-24?



The total income obtained by selling all toys is Rs. 38,72, 000. What was the income from the learning blocks?

- (a) Rs. 5, 80, 800 (b) Rs. 7, 74, 400
(c) Rs. 1,93, 600 (d) Rs. 1, 74, 240

- 48). In which state the traditional made dress is known as 'sola', or 'fotua' or 'Erichador'?

- (a) Sikkim (b) Srinagar (c) Assam
(d) Himachal Pradesh

- 49). Four numbers placed in an ascending order are w, x, y, and z. The average of the smallest three numbers is 25.5, while the average of the greatest three numbers is 29.5. Find the range of data.

- (a) 11 (b) 12 (c) 10 (d) 13

- 50). The area of the three surfaces of a cuboid including the top is 25 m sq., 32 m sq., and 32 m sq. What will be volume of the cuboid?

- (a) $\sqrt{3024} \text{ m}^3$ (b) 184 m^3 (c) 160 m^3
(d) 92 m^3

- 51). If an agent works 'w' in time 't' then what will be his power?

- (a) $\frac{W}{t}$ (b) $W + t$ (c) $W \times t$ (d) $\frac{t}{W}$

- 52). By which year will India establish its 'Indian Space Station'?

- 53). $162 \div [51 - \{29 - (9 - 6 + 7)\}] = ?$

- (a) 14 (b) 18 (c) 7 (d) 9

- 54). $119 \div [22 - (90 \div (23 - 105 \div 7 \times 3))] = ?$

- (a) 12 (b) 4 (c) 3 (d) 7

- 55). What controls the sunlight reaching the eyes?

- (a) Pupil (b) Retina (c) Cornea (d) Sclera

- 56). Which of the followings has been included in the UNESCO designated world network of biosphere Reserve (WNBR)

- (a) Kanchanjanga biosphere reserve
(b) Nilgiri Biosphere (c) Nanda Devi
(d) Gulf of Mannar

- 57). In the human digestive system, bile juice is released in_____.

- (a) Stomach (b) Pancreas (c) Liver
(d) Small intestines

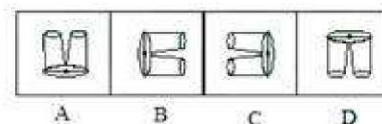
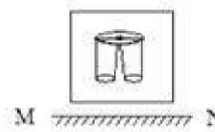
- 58). Rishi sold a pair of shoes for Rs. 2052 at a profit of 16%. What is the cost price of shoes?

- (a) Rs.1,760 (b) Rs. 1,800 (c) Rs.1,780
(d) Rs.1,775

- 59). What is the SI unit of acceleration?

- (a) ms^{-1} (b) ms (c) Kg ms^{-1} (d) ms^{-2}

- 60). Select the water reflection the given image?



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

61). The ratio of the current ages of Ramesh and Suparna is 7:3 Three years from now the ratio of their ages will be 2 : 1. The present age of Ramesh is ____ years.

(a) 10.5 (b) 21 (c) 14 (d) 28

62). Divya saves 45.5% of her total income. What is the proportion of her saving in decimal?

(a) 0.4000 (b) 0.4550 (c) 0.4505
(d) 0.0455

63). If the three angles of a triangle are in the ratio of 1:2:3 then what is the smallest angle?

(a) 30° (b) 40° (c) 25° (d) 15°

64). The prime minister of India cannot participate in the no confidence motion against his government, if _____

(a) he has been forbidden by the opposing parties in the Lok Sabha.
(b) he is a member of the Rajya Sabha
(c) he is a member of the Lok Sabha.
(d) he is in majority.

65). In a special code language the word MENU has been coded as 13-5-14-21. What should be the code for the word FOOD in the same language?

(a) 6-15-15-4 (b) 15-15-6-4 (c) 4-16-15-8
(d) 6-15-4-18

66). Which of the following plant is gymnosperms?

(a) Fodder plant (b) Marshillia (c) Deodar
(d) Funeria

67). Find the HCF of $15x^2 + 8x - 12$, $3x^2 + x - 2$, $3x^2 - 2x$, $9x^2 - 12x + 4$?

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

68). Which state government has recently launched 'Pirul Laao Paise Pao Campaign'?

(a) Rajasthan (b) Madhya Pradesh

(c) Uttarakhand (d) Uttar Pradesh

69). _____ element is used to make the filament of light bulb.

(a) Nichrome (b) Nickel (c) Tungsten
(d) Copper

70). If the distance between two successive heads is L, then its wavelength can be expressed:

(a) by $\frac{L}{4}$ (b) by 2L (c) by $\frac{L}{2}$ (d) by L

71). The atomic number of magnesium is 12. Find its valency?

(a) + 2 (b) - 2 (c) + 3 (d) - 3

72). Rihand river project is in _____.

(a) Uttar Pradesh (b) Haryana (c) Assam
(d) Himachal Pradesh

73). According to the following table in the 2 years period for how for how many months the price of vegetables remained the same?

| Month | Rate/kg. (Year-1) | Rate/kg. (Year-1) |
|-----------|----------------------|----------------------|
| January | 40 | 35 |
| February | 30 | 50 |
| March | 40 | 35 |
| April | 80 | 80 |
| May | 80 | 80 |
| June | 80 | 80 |
| July | 80 | 80 |
| August | 50 | 60 |
| September | 50 | 40 |
| October | 50 | 50 |
| November | 40 | 35 |
| December | 40 | 35 |

(a) 5 (b) 6 (c) 3 (d) 2

74). Read the statement and select the conclusions that logically follow the statement.
Statement :

Parents are ready to pay high fee for good education.

Conclusion :

I. Parents want to impart good education to their children.

II. Good education is possible only with high fees.

- (a) Neither conclusion I nor conclusion II follows.
- (b) Conclusion I and II both follow.
- (c) Only conclusion I follows.
- (d) Only conclusion II follows.

75). Nikita walks 2 km west and then turns right to walk 1 km. Then she turns right again and walks 2 km. She turns right again and walks 2 km. How far is she from her original point?

- (a) 2 kilometer (b) 4 kilometer
- (c) 5 kilometer (d) 1 kilometer