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Mizoram LDC

**Previous Year Paper
(Arithmetic & Reasoning)
12 Aug, 2024**



~~12/8/24~~
OFFICE OF THE REGISTRAR
COOPERATIVE SOCIETIES

WRITTEN EXAMINATION
FOR THE POST OF
LDC (PE)

PAPER - II:

- (a) SIMPLE ARITHMETIC
- (b) GENERAL INTELLIGENCE & REASONING

CODE NO: _____
(For official use)

Signature of Invigilator _____

MARKS TABULATION

PART	MARKS OBTAINED
SIMPLE ARITHMETIC (25 x 2 = 50 marks)	
GENERAL INTELLIGENCE & REASONING (25 x 2 = 50 marks)	

Signature of Examiner _____

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ROLL NO.: _____
(To be filled in by candidate)

CODE NO: _____
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Signature of Candidate _____

Signature of Invigilator _____

SIMPLE ARITHMETIC

1. Which of the following statement(s) is /are correct?

I. Some numbers divisible by 5 are even numbers

II. If a number is divisible by 3, it is also divisible by 9

III. The product of an odd number and an even number is always even.

IV. All numbers divisible by 3 are odd numbers

V. If a number is divisible by 9, it is also divisible by 3

VI. If we add an even number and an odd number, the result is always odd.

- A) I, III, V & VI ()
B) I, III, V & VI ()
C) II, III, V & VI ()
D) I, III, IV & VI ()

2. Find the HCF of 325, 884 and 1469

- A) 37 ()
B) 49 ()
C) 13 ()
D) 23 ()

3. Solve $3\frac{4}{5} \times 1\frac{7}{8} \times 2\frac{7}{19}$

- A) $16\frac{7}{8}$ ()
B) $13\frac{8}{9}$ ()
C) $7\frac{5}{8}$ ()
D) None of the above ()

4. Mawii's mother's present age is six times Mawii's present age. Mawii's age five years from now will be one third of his mother's present age. What is Mawii's present age?

- A) 5 years ()
B) 10 years ()
C) 15 years ()
D) None of the above ()

5. Find the LCM of 15, 24, 54 and 84

- A) 6790 ()
B) 7980 ()
C) 7580 ()
D) 7560 ()

6. Simplify

$$5 + [14 + 5 - \{6 \times (5 + 1 - 4)\}]$$

- A) 12 ()
B) 18 ()
C) 6 ()
D) 22 ()

7. Simplify

$$1\frac{1}{2} + \left\{ 2\frac{1}{3} + \frac{1}{6} \times \left(1\frac{3}{4} - \frac{5}{2} - 1 \right) \right\}$$

- A) $6\frac{4}{5}$ ()
B) $11\frac{1}{2}$ ()
C) $3\frac{7}{8}$ ()
D) None of the above ()

8. $\sqrt{\frac{9261}{8400}} = ?$

- A) 2.05 ()
B) 1.05 ()
C) 1.005 ()
D) None of the above ()

9. $\sqrt{72 + \sqrt{72 + \sqrt{72 + \dots}}}$ is equal to

- A) 9 ()
B) 8 ()
C) 12 ()
D) 18 ()

10. Rini bought 5 pants at Rs. 250 each, 12 shirts at Rs. 500 each, 15 neckties at Rs. 350 each and 8 pairs of shoes at Rs. 1000 each. Find the average price of all the articles.

- A) Rs. 528.80 ()
B) Rs. 537.50 ()
C) Rs. 635.50 ()
D) None of the above ()

11. The average age of 30 girls is 13 years. The average age of the first 18 girls is 15 years. Find out the average age of the remaining 12 girls.

- A) 12 years ()
- B) 8 years ()
- C) 10 years ()
- D) None of the above ()

12. After allowing a discount of 16%, there was still a gain of 5%. Then, the percentage of marked price over the cost price is

- A) 21% ()
- B) 31% ()
- C) 25% ()
- D) 18% ()

13. The marked price of an article is Rs. 3,000. Determine the selling price of the article when two successive discounts of 10% and 5% are applied.

- A) Rs. 2,550 ()
- B) Rs. 2,565 ()
- C) Rs. 2,985 ()
- D) Rs. None of the above ()

14. The salary of an LDC is increased by 7% and then it is decreased by 7%. What is the change in his income?

- A) No change ()
- B) 0.49% increase ()
- C) 0.49% decrease ()
- D) 0.7% decrease ()

15. A jar contains 10 red buttons and 30 green buttons. How many red buttons must be added to the jar, so that 60% of the buttons will be red?

- A) 35 ()
- B) 30 ()
- C) 40 ()
- D) 65 ()

16. A machine was bought for Rs. 1,500 and a repairing charge of Rs. 100 was paid afterwards. At what price should it be sold to gain a profit of 25%?

- A) Rs. 1,625 ()
- B) Rs. 2,000 ()
- C) Rs. 2,040 ()
- D) Rs. 1,960 ()

17. A person sells two Televisions at Rs. 39,600 each. On one he gains 10% and on the other he loses 10%. The profit or loss in the whole transaction is

- A) no loss, no gain ()
- B) 1% profit ()
- C) 1% loss ()
- D) 8% loss ()

18. If the length of a rectangle is increased in the ratio of 6:7 and its breadth is reduced in the ratio of 5:4, then its area will be reduced in the ratio of

- A) 19:18 ()
- B) 18:17 ()
- C) 8:7 ()
- D) 15:14 ()

19. Johana initiates a business with an investment of Rs. 80,000 and Jakoba joins him 6 months later with an investment of Rs. 1,00,000. After one year, they accumulate a profit of Rs. 91,000. Determine Johana's share of the profit.

- A) Rs. 69,000 ()
- B) Rs. 56,000 ()
- C) Rs. 47,800 ()
- D) None of the above ()

20. Chhura and Na-a can complete the same piece of work in 30 and 40 days, respectively. They work together for a certain period, but Chhura leaves 5 days before the work is completed. In how many days is the work finished?

- A) 15 days ()
- B) 25 days ()
- C) 20 days ()
- D) None of the above ()

21. Khuma travels from Aizawl to Lunglei at a speed of 40 km/h and returns from Lunglei to Aizawl at a speed of 60 km/h. What is his average speed for the entire journey?

- A) 48 km/h ()
- B) 50 km/h ()
- C) 45 km/h ()
- D) 36 km/h ()

22. Find the compound interest on Rs. 10,000 at 10% per annum for 2 years.

- A) Rs. 1,516 ()
 B) Rs. 2,100 ()
 C) Rs. 2,210 ()
 D) None of the above ()

23. What would be the measure of a diagonal of a square whose area is 882 square cm?

- A) 48 cm ()
 B) 32 cm ()
 C) 42 cm ()
 D) None of the above ()

24. There is a rectangular room whose length, breadth and height are 15m, 9m and 4m respectively. What will be the cost of painting the four walls of the room if the rate of painting is Rs. 50 per square metre?

- A) Rs. 4,200 ()
 B) Rs. 9,600 ()
 C) Rs. 6,860 ()
 D) Rs. 10,200 ()

25. In how many ways, the letters of the word KHAWBEL can be arranged?

- A) 3650 ()
 B) 2140 ()
 C) 2520 ()
 D) 5621 ()

GENERAL INTELLIGENCE & REASONING

1. Which number will replace the question mark?

3	5	18
4	6	27
5	7	?

- A) 38 ()
 B) 36 ()
 C) 42 ()
 D) 41 ()

2. Pick the odd one out.

- A) Myanmar ()
 B) Bangladesh ()
 C) Thailand ()
 D) China ()

3. A is the son of B, C is the sister of B, D is the mother of C, then how is D related to A?

- A) Aunt ()
 B) Mother ()
 C) Sister ()
 D) Grandmother ()

4. Butterfly is to Caterpillar as Frog is to

- A) Tadpole ()
 B) Fish ()
 C) Amphibian ()
 D) Animal ()

5. Which of the following represents the correct chronological order in shifting cultivation?

- A) lo vah, hnuhpui, buh seng, hnuhhram, a thual ()
 B) hnuhhram, lo vah, hnuhpui, buhseng, a thual ()
 C) buh seng, lo vah, a thual, hnuhhram, hnuhpui ()
 D) lo vah, hnuhpui, hnuhhram, a thual, buh seng ()

6. Which of the following correctly represents the order of precedence within the Government structure of Mizoram?

- A) Additional Director - Director - Deputy Director - Joint Director ()
 B) Deputy Director - Joint Director - Additional Director - Deputy Director ()
 C) Director - Additional Director - Joint Director - Deputy Director ()
 D) Joint Director - Director - Deputy Director - Additional Director ()

7. What is the correct way to write 'ninety million, three thousand, and forty-five' in the Indian numbering system?

- A) 900,03,045 ()
 B) 90,003,045 ()
 C) 90,00,30,45 ()
 D) 9,00,03,045 ()

8. From the given alternatives find the word which can be formed from the letters used in the given word. QUANTIZATION

- A) ZONATION ()
 B) NATION ()
 C) NOTATION ()
 D) NOTION ()

9. From the given alternatives, according to dictionary, which word will come at FOURTH position? Legacy, Legend, Legislation, Legitimate, Legible

- A) Legacy ()
 B) Legend ()
 C) Legislation ()
 D) Legible ()

10. Find the wrong number in the series. 7, 28, 63, 124, 215, 342

- A) 124 ()
 B) 215 ()
 C) 28 ()
 D) 63 ()

11. If 10 men can solve 10 puzzles in 10 minutes, how many men are required to solve 80 puzzles in 80 minutes?

- A) 10 ()
 B) 80 ()
 C) 160 ()
 D) 640 ()

12. If LONDON is coded as 74, what would be the code for NEIHDAWN in the same coding scheme?

- A) 52 ()
 B) 78 ()
 C) 102 ()
 D) Cannot be computed ()

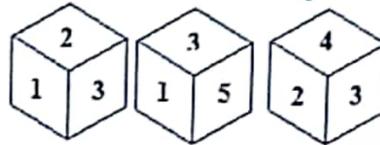
13. Mawii is elder than Liani, Liani is younger than Manga, Manga is also elder than Mawii. Rova is elder than Liani but younger than Mawii. Who is the youngest among them?

- A) Mawii ()
 B) Liani ()
 C) Manga ()
 D) Rova ()

14. In a certain code, WORKABLE is written as VOYZPILD, how will HMANGAIHNA be written in same code?

- A) ZMSRTZTMZNS ()
 B) SNZMTZRTSMS ()
 C) KLECNOPERTS ()
 D) None of the above ()

15. Three different views of the same dice are given here. Find the number on the face opposite to the face having number 3.



(1) (2) (3)

- A) 7 ()
 B) 6 ()
 C) 5 ()
 D) 1 ()

16. Select the correct combination of mathematical signs to replace '**' sign and to balance the given equation.

$$11 * 3 * 6 * 2 * 4$$

- A) $X = \div +$ ()
 B) $+ - = \div$ ()
 C) $= X \div +$ ()
 D) None of the above ()

17. Zorama walks 10 km towards north. From there, he walks 6 km towards south. The he walks 3 km towards east. How far and in which direction is he with reference to his starting point?

- A) 4 km, west ()
 B) 5 km, north east ()
 C) 7 km, south east ()
 D) 5 km, south east ()

18. The day before yesterday was Sunday. What will be the day after tomorrow?

- A) Tuesday ()
 B) Thursday ()
 C) Friday ()
 D) Wednesday ()

19. What will be the missing letters in the series BKK, DMM, FOO, __, JSS?

- A) HTT ()
 B) HPP ()
 C) HQQ ()
 D) None of the above ()

20. Which of the conclusions follows the given statement?

Statements

Some social workers are followers

Some followers are famous

Conclusions

I. All social workers are famous

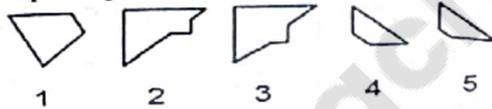
II. Some followers are social workers

- A) Only I follows ()
- B) Only II follows ()
- C) Either I or II follows ()
- D) Both I & II follow ()

21. Choose the alternative which closely resemble the mirror-image of 'FIXING'

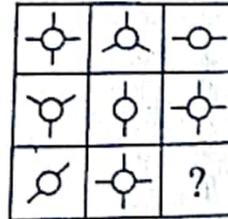
- 1. GNIXIF
 - 2. ƎNIXIƆ
 - 3. ƎNIXIF
 - 4. ƎNIXIƎ
- A) 1 ()
 - B) 2 ()
 - C) 3 ()
 - D) 4 ()

22. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

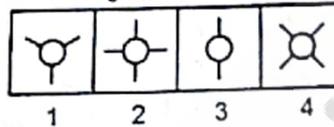


- A) 345 ()
- B) 125 ()
- C) 235 ()
- D) 135 ()

23. Find out which of the answer figures 1,2,3 and 4 complete the question figure.



Answer figures

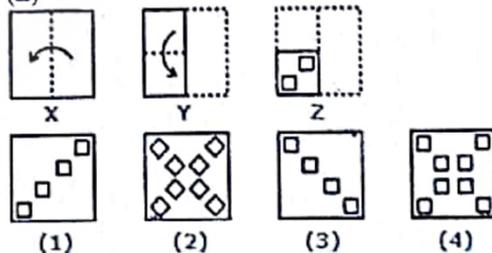


- A) 1 ()
- B) 2 ()
- C) 3 ()
- D) 4 ()

24. Sawmzuali is positioned 4th from the top and 27th from the bottom in a class. How many students are in the class?

- A) 41 ()
- B) 31 ()
- C) 52 ()
- D) 30 ()

25. Choose a figure which would most closely resemble the unfolded form of Figure (Z)



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