

**GOVERNMENT OF MIZORAM
MIZORAM LOKAYUKTA**

EXAMINATION FOR RECRUITMENT TO THE POST OF DESPATCH RIDER – 2023

Full Mark: 150 marks; Time allowed: 3 hours

(Except question 1 and 2, all questions are multiple choice questions and each question carries 2 marks)

PAPER – II

1. A hnuai a i duh ber thupui hmang hian word 500 aia tam lovin essay ziaak rawh.

(30 marks)

- (a) Thalaite hi politics-a inrawlh a tul em?
- (b) Eirukna leh a nghawng
- (c) Mizorama fur hun

2. Read the following passage and answer the questions that follows:

Pollution is the introduction of **harmful** substances into the environment. These substances can include chemicals, particles and other materials that can cause **damage** to living organisms as well as to natural environment. Pollution can take many different forms, including air pollution and water pollution.

Air pollution is caused by the release of chemicals and particles into the atmosphere. This can be caused by a variety of different sources, including factories, cars and power plants. When the chemicals and particles are release into the air, they can cause a range of health problems for humans and animals, including **respiratory** problems, heart disease and cancer.

Water pollution is caused by the release of chemicals and waste products into the bodies of water including rivers, lakes and oceans. This can be caused by factories, agricultural runoff and sewage system. Water pollution can have **devastating** effect on **aquatic** life and other organisms that depend on clean water to survive.

(a) Find out the same meaning of the following words from the passage: (5 x 1 = 5 marks)

- (i) hazardous (ii) harm (iii) breathing (iv) destructive (v) marine

(b) What is pollution? (5 marks)

(c) What are the causes of air pollution and its effect? (5 marks)

(d) How does aquatic life suffer due to water pollution? (5 marks)

(SIMPLE ARITHMETIC)

3. The place value of 6 in 37654 is:
(A) **600** (B) 6 (C) 654 (D) None of these
4. The product of two negative integers is always a/an _____ number.
(A) negative (B) **positive** (C) prime (D) odd
5. Simplify $250 \div 10 - 9$.
(A) 15 (B) **16** (C) 17 (D) 18
6. Which of the following is an Indian system of writing of numeration?
(A) 5,318,900 (B) **53,18,900** (C) 53,189,00 (D) 5318,900
7. The factors of the number 25 are:
(A) **1, 5, 25** (B) 5 and 25 (C) 3, 5, 25 (D) 5, 7, 25
8. How many prime numbers exist between 30 and 50?
(A) **5** (B) 6 (C) 7 (D) 8
9. Find the value of x in the series 6, x, 12, 15, 18, 21.
(A) 7 (B) 8 (C) **9** (D) 10
10. I am a number between 10 and 20. If you divide 37 and 51 by me, the remainders are 1 and 3 respectively. What number am I?
(A) 11 (B) **12** (C) 15 (D) 17
11. Subtract the following: $(-6) - (-13)$
(A) -19 (B) **7** (C) -7 (D) 19
12. If the number $1x9$ is divisible by 9, find the value of the digit marked as x.
(A) 5 (B) 6 (C) 7 (D) **8**
13. The value of $\frac{2}{4} \div \frac{1}{4}$ is:
(A) 1 (B) **2** (C) 3 (D) 4
14. Find the value of 0.1×0.1
(A) 1 (B) (C) **0.01** (D) 0.001
15. Find the product of the face value and place value of 4 in 246.
(A) **160** (B) 400 (C) 120 (D) 80
16. If $12276 \div 1.55 = 7920$, what is the value of $122.76 \div 15.5$?
(A) 79.20 (B) **7.92** (C) 792 (D) 70.92

17. Which is the HCF of 2, 1.6 and 0.06?
(A) 2 (B) 0.2 (C) **0.02** (D) 0.002
18. What is the average of the first five multiples of 5?
(A) 30 (B) **15** (C) 60 (D) 45
19. Whose 35% is 70?
(A) 150 (B) 250 (C) 300 (D) **200**
20. If 40% of a number is 40, what will be 60% of that number?
(A) **60** (B) 50 (C) 45 (D) 70
21. The ratio of 1 m to 10 cm is:
(A) 1 : 10 (B) 15 : 10 (C) **10 : 1** (D) 15 : 1
22. How many two-digit numbers are divisible by 4?
(A) **22** (B) 20 (C) 25 (D) 12
23. The multiplicative identity of a rational number is always:
(A) 0 (B) **1** (C) 2 (D) 3
24. The average age of five men with 23 years, 32 years, 35 years, 40 years and 45 years is:
(A) 32 years (B) 33 years (C) 34 years (D) **35 years**
25. The area of a floor with 5 meter breadth and 8 meter length is:
(A) **40 m²** (B) 40 m (C) 13 m² (D) 13 m
26. The smallest number by which 12 must be multiplied to get a perfect square is:
(A) 1 (B) 2 (C) **3** (D) 4
27. 4 kg is what percent of 20 kg?
(A) **20 %** (B) 22 % (C) 25 % (D) 30 %
28. An article is bought for Rs 150 and then sold at 8% gain. What is the selling price?
(A) Rs 165 (B) **Rs 162** (C) Rs 160 (D) Rs 158
29. A scooter uses 5 litres of petrol to travel 50 km. How much petrol will it consume to travel 80 km?
(A) 6 litres (B) 10 litres (C) **8 litres** (D) 15 litres
30. Rs 500 is divided between Lala and Sanga in the ratio 2:3. Find Sanga's share.
(A) Rs 400 (B) **Rs 300** (C) Rs 200 (D) Rs 100

31. If the two angles of a triangle are 90° and 40° . Find the measure of the third angle.
(A) 50° (B) 60° (C) 70° (D) 80°
32. Rs 2500 amounts to Rs 2900 in 2 years at simple interest. Find the rate of interest.
(A) 4% (B) 6% (C) **8%** (D) 10%
33. With a speed of 24 km/h, how long will a man take to reach 72 km?
(A) 2 hours (B) 90 minutes (C) 45 minutes (D) **3 hours**
34. If the length of a rectangular lawn is twice its breadth and its area is 242 m^2 , then its breadth is:
(A) **11 m** (B) 8 m (C) 15 m (D) 24 m
35. The value of x in a proportion of $5 : 8 :: 10 : x$ is_____.
(A) 24 (B) 20 (C) 18 (D) **16**
36. A truck carries 65 boxes. Each of these boxes contains 15 toy soldiers. How many toy soldiers are being carried in the truck?
(A) 520 (B) 120 (C) 780 (D) **975**
37. The population of a village was 5,960 at the beginning of this year. The increase in population this year is expected to be 10%. What will be the population at the end of the year?
(A) 6256 (B) 7628 (C) 6786 (D) **6,556**
38. Half of one-fifth of 100 is:
(A) 75 (B) **10** (C) 15 (D) 20
39. Mawia takes exercise every second day and Siami takes exercise every third day. They are both taking exercise today. After how many days will they both take exercise again on the same date?
(A) 3 days (B) 4 days (C) 5 days (D) **6 days**
40. Zuali is thrice as old as her daughter at present. After 10 years, she will be double the age of her daughter. What is the age of Zuali?
(A) 21 years (B) **30 years** (C) 35 years (D) 20 years
41. Sangi purchased 5 notebooks for Rs. 20. How much will she spend to buy 8 notebooks at the same price?
(A) Rs. 24 (B) Rs. 28 (C) **Rs. 32** (D) Rs. 40
42. The sum of two numbers is 90 and the numbers are in the ratio 2:3. Find the numbers.
(A) 30 and 60 (B) 40 and 50 (C) **36 and 54** (D) 38 and 52

43. The product of two consecutive positive integers is 72. Find the numbers.
(A) 7 and 8 (B) **8 and 9** (C) 9 and 10 (D) 30 and 3
44. A man bought 3 toffees for a rupee. How many toffees should he sell to gain 100% if he sells one toffee for one rupee?
(A) 1 (B) **2** (C) 3 (D) 4
45. A gun is fired and Zuali hears its sound after 2.5 seconds. If the speed of sound in air is 330 m/sec, the distance between the gun and Zuali is:
(A) 650 m (B) **825 m** (C) 775 m (D) 850 m
46. A bicycle takes 9 hours to reach 72 kilometers. Time taken by the bicycle to travel 36 kilometers is:
(A) 3.6 hours (B) 5 hours (C) **4.5 hours** (D) 4 hours
47. A sum of Rs. 2500 becomes Rs. 2725 at the end of 3 years when calculated at simple interest. What is the rate of interest?
(A) **3%** (B) 4% (C) 5% (D) 6%
48. The length of a rectangular field is 100 m. If its perimeter is 300 m, what is its breadth?
(A) 80 m (B) 70 m (C) 60 m (D) **50 m**
49. The area of a square picture is 81 sq cm. What is the length of its side?
(A) 19 cm (B) 21 cm (C) 23 cm (D) **9 cm**
50. In an election between two candidates, the first candidate got 70% of vote polled and the second candidate got 210 votes. The total number of votes polled was:
(A) 600 votes (B) **700 votes** (C) 750 votes (D) 800 votes
51. An article which cost Rs 2500 is sold at a loss of 15 %, find the selling price.
(A) Rs 1500 (B) Rs 1800 (C) **Rs 2125** (D) Rs 2150
52. A man builds a fence around his circular garden at the cost of Rs 30 per meter. The diameter of the garden is 56 meters. What will be the total cost of fencing the garden?
(A) **Rs 5280** (B) Rs 5450 (C) Rs 6000 (D) Rs 6420

XXXXO0000XXXXXO0000XXXXXO0000XXXX