

**GOVERNMENT OF MIZORAM
PUBLIC WORKS DEPARTMENT**

**COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POST OF ELECTRICIAN GRADE-II (PE)
(SEPTEMBER -2026)**

PAPER-I

**(GENERAL KNOWLEDGE, GENERAL ENGLISH, ESSAY
WRITING & ENGLISH COMPREHENSION, SIMPLE
ARITHMETIC & BASIC COMPUTER KNOWLEDGE)**

Full Marks : 200
Time Allowed : 3 Hours

Signature of Invigilator _____

CODE :

(For official use)

SUBJECT	MARK CARRIED BY EACH QUESTION / TOPIC	NO. OF CORRECT ANSWERS	MARKS OBTAINED
GK	2		
Gen. English	2		
Simple Arithmetic	2		
Computer	2		
Essay Writing	20		
English Comp.	20		
TOTAL			

Signature of Examiner : _____

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PART-A (MCQ - 160 MARKS)

All questions carry 2 marks each.

Put a tick (✓) mark against the correct answer in the space given in each question.

If a candidate gives more than one answer to one question, it will be treated as wrong answer even if one of the given answers happens to be correct.

GENERAL KNOWLEDGE (50 MARKS)

1. What is the full form of SIR carried out in the state of Mizoram?
 - (a) State Information Revision ()
 - (b) Special Intensive Revision ()**
 - (c) Special Information Rate ()
 - (d) Status of Information Rating ()
2. When is 'World Population Day' observed?
 - (a) 11 July ()**
 - (b) 15 March ()
 - (c) 12 January ()
 - (d) 22 April ()
3. Which agricultural crop is NOT among the four primary crops designated for minimum floor price procurement under the Banakaih initiative?
 - (a) Soybean ()**
 - (b) Ginger ()
 - (c) Broomsticks ()
 - (d) Turmeric ()
4. What is the significance of the Kirti Chakra award?
 - (a) It is the highest military award ()
 - (b) It is given to Army personnel for their bravery ()
 - (c) It is given to Army personnel during war time ()
 - (d) It is the second highest peacetime gallantry award ()**
5. In whose memory was the Taj Mahal built?
 - (a) Shah Jahan ()
 - (b) Mumtaz Mahal ()**
 - (c) Ashoka ()
 - (d) Jahangir ()
6. The Discovery of India was written by:
 - (a) Jawaharlal Nehru ()**
 - (b) Mahatma Gandhi ()
 - (c) Rabindranath Tagore ()
 - (d) AO Hume ()

7. When was Indian National Congress founded?
- (a) 1880 ()
 - (b) 1885** ()
 - (c) 1890 ()
 - (d) 1895 ()
8. What is the Article of the Constitution which grants special provision to the state of Mizoram?
- (a) 280G ()
 - (b) 285G ()
 - (c) 370G ()
 - (d) 371G** ()
9. The Ex-Officio Chairman of the Rajya Sabha is:
- (a) Speaker ()
 - (b) President ()
 - (c) Vice President** ()
 - (d) Prime Minister ()
10. Who was the first Governor General of independent India?
- (a) Lord Mountbatten** ()
 - (b) Sarojini Naidu ()
 - (c) C. Rajagopalachari ()
 - (d) Warren Hastings ()
11. Which writ is considered as a bulwark of individual freedom?
- (a) Mandamus ()
 - (b) Habeas Corpus** ()
 - (c) Quo Warranto ()
 - (d) Certiorari ()
12. How many kilometres does Mizoram share an international border with Myanmar?
- (a) 250 kms ()
 - (b) 360 kms ()
 - (c) 510 kms** ()
 - (d) 560 kms ()
13. What is El Nino?
- (a) Unusual Warm Water** ()
 - (b) Unusual Cold Water ()
 - (c) Type of Cyclone ()
 - (d) Severe Monsoon ()
14. Which planet is called 'Red Planet'?
- (a) Mercury ()
 - (b) Venus ()
 - (c) Earth ()
 - (d) Mars** ()

15. What is repo rate?
- (a) **Rate at which RBI lends to banks** ()
 - (b) Rate at which banks lends to RBI ()
 - (c) Rate at which banks lend to other banks ()
 - (d) Best interest rate in the market ()
16. 'Garibi hatao' (Eradicate Poverty) was the Central Theme of which Five Year Plan?
- (a) Third Five Year Plan ()
 - (b) Fourth Five Year Plan ()
 - (c) **Fifth Five Year Plan** ()
 - (d) Sixth Five Year Plan ()
17. Rabi crops are harvested in the months of:
- (a) **April- June** ()
 - (b) October - November ()
 - (c) January- March ()
 - (d) July - August ()
18. What type of mirror is used in rear view mirror of cars?
- (a) Plane mirror ()
 - (b) **Convex** ()
 - (c) Concave ()
 - (d) Opposite ()
19. Which of the following is an example of an insulator?
- (a) Gold ()
 - (b) Silver ()
 - (c) **Plastic** ()
 - (d) Copper ()
20. Electric Current is measured in units called:
- (a) Joules ()
 - (b) **Amperes** ()
 - (c) Watts ()
 - (d) Volts ()
21. What is added in LPG so that it acts as a safety warning in case of leakage?
- (a) **Ethyl Mercaptan** ()
 - (b) Sodium Bicarbonate ()
 - (c) Ethanoic Acid ()
 - (d) Acetic Acid ()
22. When was the Mizo Peace Accord signed?
- (a) 20 February, 1986 ()
 - (b) 20 February, 1987 ()
 - (c) **30 June, 1986** ()
 - (d) 30 June, 1987 ()

23. When was the chieftainship abolished in Mizoram?
(a) 1935 ()
(b) **1954** ()
(c) 1946 ()
(d) 1986 ()
24. Which is the first political party of Mizoram?
(a) Mizo National Front ()
(b) **Mizo Union** ()
(c) PC ()
(d) UMFO ()
25. Who was awarded Padma Shri in 2025 from Mizoram?
(a) **R. Lalrawna** ()
(b) Lalbiakthanga Pachuau ()
(c) Dr. Sangthankima ()
(d) Sangkhumi Bualchhak ()

GENERAL ENGLISH (40 MARKS)

Direction (Question Nos. 26-30) : Fill in the blanks with the correct option.

26. Each of the boys _____ a book.
(a) **has** ()
(b) have ()
(c) is having ()
(d) had ()
27. Mali attends _____ university.
(a) an ()
(b) **a** ()
(c) the ()
(d) some ()
28. The poet and philosopher _____ dead.
(a) are ()
(b) **is** ()
(c) is being ()
(d) are being ()
29. Ruata _____ to school every day.
(a) go ()
(b) went ()
(c) **goes** ()
(d) is going ()

30. _____ Argentina and England played well in the World Cup.
- (a) All ()
 - (b) Both ()
 - (c) In ()
 - (d) There ()

Direction (Question Nos. 31-35) : Choose the correct meaning for the underlined word.

31. Matthew devoured the whole cake.
- (a) ate ()
 - (b) threw ()
 - (c) melted ()
 - (d) saved ()
32. The food has gone bad; it has a rancid odor.
- (a) pleasant smell ()
 - (b) good smell ()
 - (c) unpleasant smell ()
 - (d) elated smell ()
33. You can't smoke in here, please put out your cigarette.
- (a) remove ()
 - (b) extinguish ()
 - (c) light ()
 - (d) sell ()
34. The game is a pivotal one for the season.
- (a) important ()
 - (b) defeat ()
 - (c) less important ()
 - (d) standard ()
35. It's raining cats and dogs.
- (a) very little ()
 - (b) scarcely ()
 - (c) sometimes ()
 - (d) a lot ()

Direction (Question Nos. 36-40) : Select the correct options to fill in the blanks.

36. My stomach is _____ very badly that I need to use the toilet.
- (a) arching ()
 - (b) aching ()
 - (c) acting ()
 - (d) ache ()

37. Our school _____ is Pu Mawia.
(a) **Principal** ()
(b) Principle ()
(c) Prinscipal ()
(d) Precipise ()
38. The committee _____ all the proposals.
(a) expected ()
(b) **accepted** ()
(c) exerted ()
(d) assisted ()
39. I went to _____ flat.
(a) Adams ()
(b) Adams' ()
(c) **Adam's** ()
(d) Adam ()
40. The dog is eating _____ dinner.
(a) **its** ()
(b) it's ()
(c) each ()
(d) his ()

Direction (Question Nos. 41-45) : Choose the correct option.

41. Synonym of 'nomadic'
(a) simple ()
(b) brave ()
(c) **wandering** ()
(d) wild ()
42. Synonym of 'momentous'
(a) **important** ()
(b) insignificant ()
(c) tiring ()
(d) useful ()
43. Synonym of 'expel'
(a) preserve ()
(b) **remove** ()
(c) reserve ()
(d) tire ()
44. Antonym of 'fair'
(a) just ()
(b) upright ()
(c) insincere ()
(d) **biased** ()

45. Antonym of 'enormous'

- (a) huge ()
- (b) **tiny** ()
- (c) heavy ()
- (d) gigantic ()

SIMPLE ARITHMETIC (40 MARKS)

46. The ratio between two numbers is 3:2. If their LCM is 150, then the numbers are:

- (a) **75 and 50** ()
- (b) 80 and 70 ()
- (c) 95 and 60 ()
- (d) 45 and 30 ()

47. How many 7 lettered words can be formed using the alphabets in the word "ARIHANT"?

- (a) 2040 ()
- (b) **2520** ()
- (c) 2000 ()
- (d) 2870 ()

48. A shirt was bought for ₹528 after getting a discount of 12% on its Marked Price. Find the Marked Price.

- (a) **600** ()
- (b) 650 ()
- (c) 700 ()
- (d) 750 ()

49. The ratio of boys:girls is 5:2. If the number of boys is 225, find the number of girls.

- (a) 315 ()
- (b) 125 ()
- (c) **90** ()
- (d) 70 ()

50. A wire is looped in the form of a circle of radius 7cm. It is rebent into a square form. Determine the length of the side of the square.

- (a) 44 cm ()
- (b) **11 cm** ()
- (c) 22 cm ()
- (d) 88 cm ()

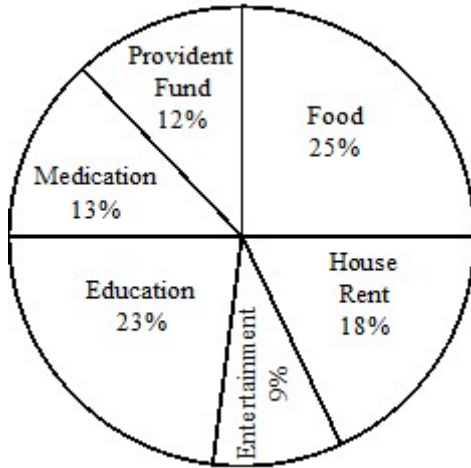
51. In a group of 850 people, 600 can speak English and 340 can speak Mizo. How many people can speak Mizo only?

- (a) **250** ()
- (b) 150 ()
- (c) 640 ()
- (d) 300 ()

52. If the cost of 15 eggs is ₹75, find the cost of 4 dozen of eggs.
- (a) ₹350 ()
- (b) ₹620 ()
- (c) **₹240** ()
- (d) ₹180 ()
53. A, B and C invested ₹26000, ₹34000 and ₹10000 respectively in a business. At the end of the year, they earn a profit of ₹3500. B's share of the profit is:
- (a) ₹5000 ()
- (b) ₹1300 ()
- (c) ₹1900 ()
- (d) **₹1700** ()
54. A pole got broken by the wind whose top meets the ground at an angle of 30° at a distance of 90m from the foot. What was the total height of the pole?
- (a) $30\sqrt{3}$ ()
- (b) $90\sqrt{3}$ ()
- (c) 60 ()
- (d) 40 ()
55. The length of the longest pole that can be put in a room of dimension 10m x 10m x 5m is:
- (a) 25 ()
- (b) 35 ()
- (c) 45 ()
- (d) **15** ()
56. Jaden sold his book at ₹270 and lost 10%. To get a profit of 10% he should have sold the book at a price of:
- (a) **₹330** ()
- (b) ₹300 ()
- (c) ₹380 ()
- (d) ₹350 ()
57. The decimal 0.2454545... is equal to:
- (a) $\frac{27}{110}$ ()
- (b) $\frac{25}{100}$ ()
- (c) $\frac{35}{245}$ ()
- (d) $\frac{30}{250}$ ()

58. Anand can do a piece of work in 12 days and Mr. Kane is twice as fast as Anand. If they work together on the same piece of work, in what time will they complete the work?
- (a) 5 days ()
- (b) 4 days** ()
- (c) 9 days ()
- (d) 7 days ()
59. A tap can fill a tank in 40 minutes. But there is a leakage which can empty the tank in 1 hour 20 minutes. If the tap is kept open without repairing, when will the tank be full?
- (a) 50 minutes ()
- (b) 60 minutes ()
- (c) 110 minutes ()
- (d) 80 minutes** ()
60. How many matches would have to be played to decide a winner in a knock out tournament consisting of 8 teams?
- (a) 4 matches ()
- (b) 10 matches ()
- (c) 7 matches** ()
- (d) 8 matches ()
61. 12 men went to a restaurant. 11 of them spent ₹5 each and the 12th person spent ₹11 more than the average expenditure of all. Find the total money spent by them.
- (a) ₹52 ()
- (b) ₹66 ()
- (c) ₹72** ()
- (d) ₹90 ()
62. Simplify $\frac{789 \times 789 \times 789 + 211 \times 211 \times 211}{789 \times 789 - 789 \times 211 \times 211 \times 211}$
- (a) 1000** ()
- (b) 1400 ()
- (c) 950 ()
- (d) 800 ()
63. Find the SI on ₹7200 at 8% p.a. for 10 months.
- (a) ₹720 ()
- (b) ₹480** ()
- (c) ₹500 ()
- (d) ₹650 ()

64. The total income of a family is ₹33,650.



What is the amount of house rent per month?

- (a) ₹6000 ()
 - (b) ₹6057 ()
 - (c) ₹6048 ()
 - (d) ₹6152 ()
65. A man covers a distance with a speed of 45km/hr in 6 hours. To cover the same distance in 5 hours, the speed of his car will be:
- (a) 54 km/hr ()
 - (b) 74 km/hr ()
 - (c) 50 km/hr ()
 - (d) 67 km/hr ()

BASIC COMPUTER KNOWLEDGE (30 MARKS)

66. What is the primary purpose of speech recognition technology in computing?
- (a) To produce audio output ()
 - (b) To create a video graph ()
 - (c) **To operate a device using voice commands** ()
 - (d) To document visual output ()
67. What is the primary tool in Windows for managing files and folders?
- (a) Task Manager ()
 - (b) Control Panel ()
 - (c) **File Explorer** ()
 - (d) Command Prompt ()
68. Which option in Microsoft Word allows you to set the vertical space between lines of text within a paragraph?
- (a) Paragraph Spacing ()
 - (b) Indentation ()
 - (c) Margins ()
 - (d) **Line Spacing** ()

69. Where are the Bullets and Numbering features located in MS Word?
- (a) Insert Tab ()
 - (b) Page Layout Tab ()
 - (c) **Home Tab** ()
 - (d) View Tab ()
70. Which Excel function is used to join two or more text strings?
- (a) TEXTJOIN ()
 - (b) **CONCATENATE** ()
 - (c) MERGE ()
 - (d) BULK ()
71. Which component is used to hold text or graphics on a PowerPoint slide?
- (a) Tables ()
 - (b) Template ()
 - (c) **Placeholder** ()
 - (d) Themes ()
72. What does the incognito mode refer to?
- (a) **A mode that hides the user's browsing history and cookies** ()
 - (b) A mode for conducting online shopping ()
 - (c) A mode that blocks all websites ()
 - (d) A mode for sending anonymous emails ()
73. Which of the following servers convert IP addresses to domain names?
- (a) **DNS** ()
 - (b) Cloud Services ()
 - (c) Email ()
 - (d) P2P ()
74. The process of starting a computer from a powered-off state is called:
- (a) Warm Booting ()
 - (b) **Cold Booting** ()
 - (c) Restarting ()
 - (d) Hibernating ()
75. Which of the following is an example of a GUI based OS?
- (a) MS DOS ()
 - (b) Unix ()
 - (c) **Windows** ()
 - (d) Bash ()
76. In Mail Merge, the document that contains the main body of text is called the:
- (a) Data Source ()
 - (b) Template File ()
 - (c) Merged Document ()
 - (d) **Main Document** ()

77. The basic unit of presentation is called a:

- (a) Page ()
- (b) Document ()
- (c) **Slide** ()
- (d) Worksheet ()

78. What is meant by Netiquette?

- (a) **Proper behaviour and etiquette on the internet** ()
- (b) Rules for online transactions ()
- (c) Internet security software ()
- (d) Protection against cyber crime ()

79. HTTPS is different from HTTP because it:

- (a) Is slower than HTTP ()
- (b) Does not use browsers ()
- (c) **Provides security and encrypted communication** ()
- (d) Works offline only ()

80. Which protocol allows users to access e-mails directly from the server without downloading them?

- (a) Simple Mail Transfer Protocol (SMTP) ()
- (b) **Internet Message Access Protocol (IMAP)** ()
- (c) Post Office Protocol version 3 (POP3) ()
- (d) File Transfer Protocol (FTP) ()

PART-B (CONVENTIONAL TYPES - 40 MARKS)

*This Part should be answered only on the **Answer Sheet** provided.*

Marks for each question is indicated against it.

1. Write an essay on **any one** of the options given below in not more than 500 words. (20)

- (a) Preventing Domestic Electrical Fires: Causes and Preventions
- (b) Tourism in Mizoram.
- (c) The impact of Digitization on Government Services in Mizoram
- (d) Importance of Use of PPE for Workplace Safety for Electrical Line Workers

Direction (Question Nos. 2-7) : Read the passage below and answer the questions which follow.

The invention of rockets is linked inextricably with the invention of 'black powder'. Most historians of technology credit the Chinese with its discovery. They base their belief on studies of Chinese writings or on the notebooks of early Europeans who settled in or made long visits to China to study its history and civilisation. It is probable that, sometime in the tenth century, black powder was first compounded from its basic ingredients of saltpetre, charcoal and sulphur. But this does not mean that it was immediately used to propel rockets. By the thirteenth century, powder-propelled fire arrows had become rather common. The Chinese relied on this type of technological development to produce incendiary projectiles of many sorts, explosive grenades and possibly cannons to repel their enemies. One such weapon was the 'basket of fire' or, as directly translated from Chinese, the 'arrows like flying leopards'. The 0.7 metre-long arrows, each with a long tube of gunpowder attached near the point of each arrow, could be fired from a long, octagonal-shaped basket at the same time

and had a range of 400 paces. Another weapon was the 'arrow as a flying sabre', which could be fired from crossbows. The rocket, placed in a similar position to other rocket-propelled arrows, was designed to increase the range. A small iron weight was attached to the 1.5m bamboo shaft, just below the feathers, to increase the arrow's stability by moving the centre of gravity to a position below the rocket. At a similar time, the Arabs had developed the 'egg which moves and burns'. This 'egg' was apparently full of gunpowder and stabilised by a 1.5m tail. It was fired using two rockets attached to either side of this tail.

2. Who invented the 'black powder'? (2)
3. What are the basic ingredients of black powder? (2)
4. What were the Europeans doing in China? (3)
5. What were the different weapons that were developed after powder-propelled fire arrows? (5)
6. What is an octagonal shape, how many sides does it have? (3)
7. What can be fired from a crossbow? What was the main purpose of the crossbow? (5)

* * * * *