



**OFFICE OF THE ENGINEER-IN-CHIEF
PUBLIC HEALTH ENGINEERING DEPARTMENT
AIZAWL : MIZORAM**

**WRITTEN EXAMINATION : 2025
FOR THE POST OF**

**PLUMBER
(REGULAR)
PAPER-II**

Code No: _____
(For Official Use)

Signature of Invigilator

SUBJECT (Part)	MARKS OBTAINED
Part-A Simple Arithmetic (50x2=100 marks)	
Part-B Basic Computer Knowledge (50x2=100 marks)	
Total Marks obtained (Full Marks-200)	

Signature of Examiner



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Roll No: _____
(To be filled in by Candidate)

Signature of Candidate

Signature of Invigilator

Instructions:

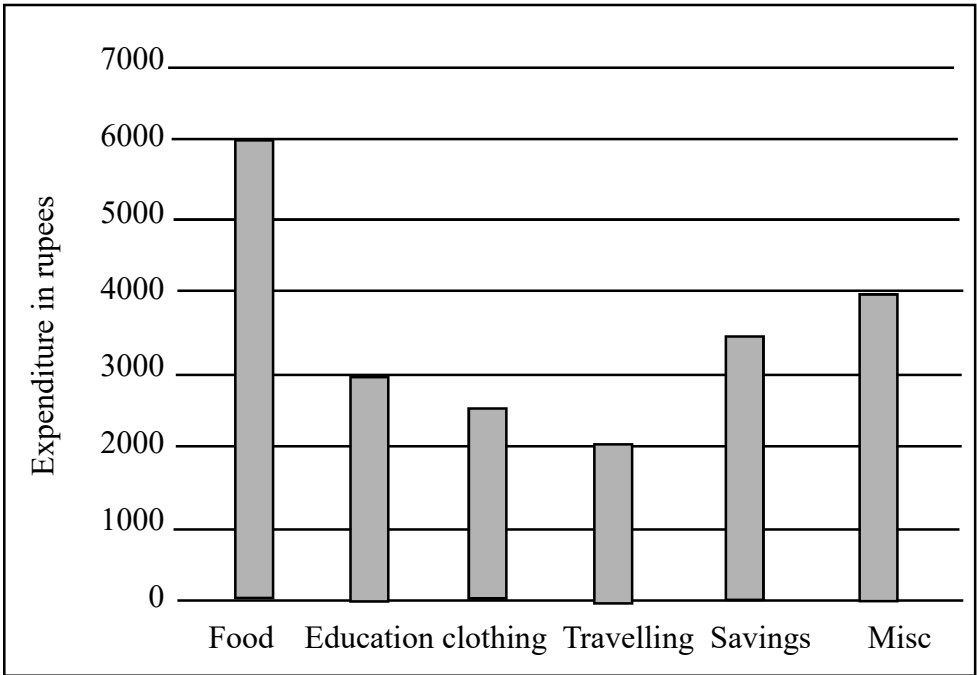
1. The question paper will also serve as the answer sheet. Candidates are required to answer Parts A, B, directly on the question/answer sheet using tick Tick (✓) Marks.
2. Time : 3 Hours

PART-A
SIMPLE ARITHMETIC (50X2=100 Marks)

1. Largest natural number is _____ ?
(a) 1 crore ☐ (b) 100 crores ☐
(c) 50 lakh ☐ (d) Infinity ☐
2. The smallest whole number is _____
(a) 1 ☐ (b) 0 ☐
(c) 2 ☐ (d) None of these ☐
3. Which of the following number is divisible by 9 ?
(a) 32177 ☐ (b) 25397 ☐
(c) 56862 ☐ (d) 79215 ☐
4. Subtract 0.006 from 10.0007
(a) 9.9947 ☐ (b) 9.8727 ☐
(c) 9.2517 ☐ (d) None of these ☐
5. Dividend = _____
(a) (Divisor x Quotient x Reminder) ☐ (b) (Divisor x Quotient) + Reminder ☐
(c) (Reminder x Quotient) + Divisor ☐ (d) (Divisor x Quotient) - Reminder ☐
6. Find 12.6×5
(a) 6.3 ☐ (b) 63 ☐
(c) 0.63 ☐ (d) 0.063 ☐
7. Solve $500.5 \div 20$
(a) 24.017 ☐ (b) 20.459 ☐
(c) 25.025 ☐ (d) 15.025 ☐
8. Which of the following is not a prime number ?
(a) 19 ☐ (b) 37 ☐
(c) 27 ☐ (d) 13 ☐
9. Convert $\frac{915}{100}$ to decimal number.
(a) 9.15 ☐ (b) 91.5 ☐
(c) 0.915 ☐ (d) 0.0915 ☐
10. Convert 1.06 to fraction.
(a) $\frac{51}{30}$ ☐ (b) $\frac{52}{20}$ ☐
(c) $\frac{53}{10}$ ☐ (d) $\frac{53}{50}$ ☐
11. Reduce $\frac{25}{75}$ to its lowest terms.
(a) $\frac{1}{2}$ ☐ (b) $\frac{1}{3}$ ☐
(c) $\frac{5}{3}$ ☐ (d) $\frac{3}{7}$ ☐

12. Evaluate : $56 \div 7 + 2 \times 3$
 (a) 25 ☐ (b) 30 ☐
 (c) 14 ☐ (d) 16 ☐
13. What must be added to -56 to get -60?
 (a) 4 ☐ (b) - 4 ☐
 (c) - 3 ☐ (d) 3 ☐
14. Fill in the blank : $- 8 + \underline{\hspace{1cm}} = 0$
 (a) 0 ☐ (b) - 8 ☐
 (c) 8 ☐ (d) None of these ☐
15. Find $\frac{7}{5} + \frac{3}{5}$
 (a) 1 ☐ (b) 5 ☐
 (c) 3 ☐ (d) 2 ☐
16. Divide : $36 \div \frac{9}{5}$
 (a) 15 ☐ (b) 20 ☐
 (c) 25 ☐ (d) 30 ☐
17. Simplify : $\left(\frac{1}{7} + \frac{4}{7}\right)$ of $\frac{7}{15} \div \frac{4}{5} \times \frac{3}{7} - \frac{1}{7}$
 (a) $\frac{1}{18}$ ☐ (b) $\frac{1}{10}$ ☐
 (c) $\frac{1}{15}$ ☐ (d) $\frac{1}{20}$ ☐
18. A sum of Rs 120 is divided in the ratio of 3 : 4 : 5. What is the largest share?
 (a) Rs 55 ☐ (b) Rs 40 ☐
 (c) Rs 50 ☐ (d) Rs 45 ☐
19. Find the cube root : 729
 (a) 8 ☐ (b) 9 ☐
 (c) 13 ☐ (d) 15 ☐
20. Find the square root of $\sqrt{5.76}$
 (a) 2.5 ☐ (b) 2.8 ☐
 (c) 1.4 ☐ (d) 2.4 ☐
21. Find the ratio of weights of two quantities which are 2 kg 500g and 3 kg.
 (a) 5 : 6 ☐ (b) 6 : 5 ☐
 (c) 3 : 5 ☐ (d) 7 : 6 ☐
22. Find the fourth proportional to 3, 8, 15.
 (a) 30 ☐ (b) 40 ☐
 (c) 45 ☐ (d) 55 ☐
23. Find the value of p in the proportion : $p : 4 :: 6 : 8$
 (a) 5 ☐ (b) 2 ☐
 (c) 3 ☐ (d) 7 ☐
24. Express $\frac{3}{5}$ as percent.
 (a) 60 % ☐ (b) 50 % ☐
 (c) 40 % ☐ (d) 35 % ☐

25. The ratio of male and female is 3 :2 in a community. What is the percentage of female in the community ?
- (a) 15% ☐ (b) 20% ☐
(c) 25% ☐ (d) 40% ☐
26. A television set costs Rs 3300. Its price increases by 10 %. What is the price after the increase?
- (a) Rs 3400 ☐ (b) Rs 3630 ☐
(c) Rs 3520 ☐ (d) Rs 3650 ☐
27. In a school, 35% of the students are girls. The number of boys is 150 more than the number of girls. Find the number of total students.
- (a) 500 ☐ (b) 400 ☐
(c) 600 ☐ (d) 700 ☐
28. Find : 12 % of Rs 7000 =
- (a) Rs 760 ☐ (b) Rs 840 ☐
(c) Rs 930 ☐ (d) Rs 1200 ☐
29. Profit % = _____
- (a) $\left(\frac{\text{Profit}}{\text{CP}} \times 100\right) \%$ ☐ (b) $\left(\frac{\text{Profit}}{\text{SP}} \times 100\right) \%$ ☐
(c) $\left(\frac{\text{Profit}}{\text{CP}} + 100\right) \%$ ☐ (d) $\left(\frac{\text{Profit}}{\text{CP}} - 100\right) \%$ ☐
30. Muana purchased a computer for Rs 24000. He sold the computer at 10% loss. Find his selling price.
- (a) Rs 22000 ☐ (b) Rs 21000 ☐
(c) Rs 23000 ☐ (d) Rs 21600 ☐
31. Discount = _____
- (a) Selling Price - Marked Price ☐ (b) Selling Price + Marked Price ☐
(c) Marked Price - Selling Price ☐ (d) None of these ☐
32. In a shop, a sari is marked at Rs 2250 and sold at Rs 1800. Find the discount per cent.
- (a) 10 % ☐ (b) 15 % ☐
(c) 20 % ☐ (d) 25 % ☐
33. Calculate the interest when Rs 400 is invested at 5 % per annum rate of simple interest for 3 years.
- (a) Rs 60 ☐ (b) Rs 80 ☐
(c) Rs 90 ☐ (d) Rs 100 ☐
34. How long will it take for Rs 2500 at 5 % rate of simple interest per year to amount to Rs 3000 ?
- (a) 5 years ☐ (b) 4 years ☐
(c) 6 years ☐ (d) 3 years ☐
35. A rectangular plot has the length as 25m and breadth 15m. Find the cost of fencing the plot at Rs 20 per metre.
- (a) Rs 1200 ☐ (b) Rs 1400 ☐
(c) Rs 1600 ☐ (d) Rs 2000 ☐
36. A square of side 2cm is cut off from a cardboard of size 12cm x 10cm. Calculate the area of the remaining cardboard
- (a) 116 cm² ☐ (b) 120 cm² ☐
(c) 130 cm² ☐ (d) 150 cm² ☐



37. The total expenditures of all items in a month is
- (a) Rs 20000 ☐ (b) Rs 21000 ☐
- (c) Rs 18000 ☐ (d) Rs 15000 ☐
38. The most expensive item on the family's expenditure list is
- (a) Clothing ☐ (b) Travelling ☐
- (c) Food ☐ (d) Education ☐
39. Which item has the least expenditure?
- (a) Travelling ☐ (b) Food ☐
- (c) Clothing ☐ (d) Music ☐
40. The ratio of education expenditure to travel expenditure is
- (a) 2 : 3 ☐ (b) 3 : 2 ☐
- (c) 5 : 7 ☐ (d) 7 : 5 ☐
41. Average + _____
- (a) $\frac{\text{Sum of all items}}{\text{Number of items}}$ ☐ (b) $\frac{\text{Number of items}}{\text{Sum of all items}}$ ☐
- (c) $\frac{\text{Sum of all items}}{100}$ ☐ (d) None of the above ☐
42. The average of 10 numbers is 30. If 5 is added to every numbers, the average becomes _____
- (a) 20 ☐ (b) 25 ☐
- (c) 30 ☐ (d) 35 ☐
43. Distance = _____
- (a) $\frac{\text{Speed}}{\text{Time}}$ ☐ (b) $\frac{\text{Time}}{\text{Speed}}$ ☐
- (c) Speed x Time ☐ (d) Speed - Time ☐
44. Liana covers a distance of 43.2 km by his bicycle in 3 hours. In 5 hours, he will cover a distance of
- (a) 65 km ☐ (b) 72 km ☐
- (c) 75 km ☐ (d) 80 km ☐

45. Tea and Para can do a job together in 8 days. Tea alone can do it in 12 days. In how many days will Para alone finish the job ?
- (a) 15 days ☐ (b) 20 days ☐
(c) 24 days ☐ (d) 18 days ☐
46. If Hminga can finish a job in x days, the workdone by Hminga in 2 days is
- (a) $\frac{x}{2}$ ☐ (b) $\frac{2}{x}$ ☐
(c) $\frac{1}{2x}$ ☐ (d) $\frac{1}{x}$ ☐
47. Jenny and Rosie start a business by investing Rs 3000 and Rs 4500 respectively. Find the ratio of their profit after 1 year.
- (a) 2 : 3 ☐ (b) 1 : 3 ☐
(c) 2 : 5 ☐ (d) 3 : 5 ☐
48. Area of a circle = _____
- (a) πr^2 ☐ (b) πr ☐
(c) 2r ☐ (d) $2\pi r$ ☐
49. In how many ways. the word of the letter 'BANKING' can be arranged?
- (a) 5237 ☐ (b) 2850 ☐
(c) 2520 ☐ (d) 3070 ☐
50. The compound interest on Rs 25000 at 10 % per annum for 3 years is
- (a) Rs 1430 ☐ (b) Rs 2538 ☐
(c) Rs 3564 ☐ (d) Rs 8275 ☐

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PART-B
BASIC COMPUTER KNOWLEDGE : (50X2=100 Marks)

1. What is the correct association between a hardware component and a computer function?
- (a) Monitor>input ☐ (b) Mouse>input ☐
(c) CPU>Storage ☐ (d) Hard Disk>Processing ☐
2. For move to the bottom of a document, press_____
- (a) Auto summarize ☐ (b) Ctrl + End Key ☐
(c) End Key ☐ (d) Home Key ☐
3. By default, your documents print in _____ mode
- (a) Page setup ☐ (b) Portrait ☐
(c) Landscape ☐ (d) Print Preview ☐
4. What does the SMTP in an SMTP server stand for?
- (a) Simple Mail Transfer Protocol ☐ (b) Serve Messaging Text Process ☐
(c) Short Messaging Text Process ☐ (d) Short Messaging Text Protocol ☐
5. What's considered the backbone of the WWW?
- (a) URL ☐ (b) FTP ☐
(c) HTTP ☐ (d) HTML ☐
6. A wireless network uses _____ waves to transmit signals.
- (a) Mechanical ☐ (b) Radio ☐
(c) Sound ☐ (d) Magnetic ☐

7. Which of the following is not a characteristic of a computer?
- | | | | |
|------------------|--------------------------|----------------|--------------------------|
| (a) Intelligence | ☐ | (b) Speed | ☐ |
| (c) Versatility | ☐ | (d) Automation | ☐ |
8. Who design the first electronic Computer - ENIAC?
- | | | | |
|---|--------------------------|------------------|--------------------------|
| (a) Joseph M Jacquard | ☐ | (b) Von Neuman | ☐ |
| (c) J Presper Eckert and John W Mauchly | ☐ | (d) Both A and B | ☐ |
9. Loading Operating System onto RAM is called?
- | | | | |
|--------------|--------------------------|--------------|--------------------------|
| (a) Printing | ☐ | (b) Saving | ☐ |
| (c) Booting | ☐ | (d) Starting | ☐ |
10. Where would you find the letters QWERTY?
- | | | | |
|--------------------|--------------------------|--------------|--------------------------|
| (a) Mouse | ☐ | (b) Screen | ☐ |
| (c) Numeric Keypad | ☐ | (d) Keyboard | ☐ |
11. A byte represents a group of?
- | | | | |
|-------------|--------------------------|-------------|--------------------------|
| (a) 10 bits | ☐ | (b) 40 bits | ☐ |
| (c) 8 bits | ☐ | (d) 22 bits | ☐ |
12. Resolution of laser printer is specified in terms of?
- | | | | |
|---------|--------------------------|---------|--------------------------|
| (a) DPI | ☐ | (b) LPM | ☐ |
| (c) CPM | ☐ | (d) PPM | ☐ |
13. The vast network of computers that connects millions of people all over the world is called?
- | | | | |
|---------------|--------------------------|--------------|--------------------------|
| (a) LAN | ☐ | (b) Web | ☐ |
| (c) Hypertext | ☐ | (d) Internet | ☐ |
14. What is the shortcut key to 'Undo' the last action in documents?
- | | | | |
|--------------|--------------------------|--------------|--------------------------|
| (a) Ctrl + B | ☐ | (b) Ctrl + Z | ☐ |
| (c) Ctrl + Y | ☐ | (d) Ctrl + U | ☐ |
15. Chip is a common name for a _____
- | | | | |
|------------------------|--------------------------|-------------------|--------------------------|
| (a) Transistor | ☐ | (b) Resistor | ☐ |
| (c) Integrated Circuit | ☐ | (d) Semiconductor | ☐ |
16. A normal CD-ROM can usually can store up to-
- | | | | |
|------------|--------------------------|---------------|--------------------------|
| (a) 680 KB | ☐ | (b) 680 Bytes | ☐ |
| (c) 680 MB | ☐ | (d) 680 GB | ☐ |
17. Which of the following is the largest manufacturer of Hard Disk Drives?
- | | | | |
|---------------|--------------------------|-------------|--------------------------|
| (a) Acer | ☐ | (b) Seagate | ☐ |
| (c) Microsoft | ☐ | (d) 3M | ☐ |
18. The programs which are as permanent as hardware and stored in ROM is known as-
- | | | | |
|--------------|--------------------------|--------------|--------------------------|
| (a) Hardware | ☐ | (b) Software | ☐ |
| (c) Firmware | ☐ | (d) Rom ware | ☐ |
19. To save a document in different location use-
- | | | | |
|-------------|--------------------------|----------------------|--------------------------|
| (a) Saved | ☐ | (b) Save As | ☐ |
| (c) Save In | ☐ | (d) All of the above | ☐ |
20. Which computer memory is used for storing programs and data currently being processed by the CPU?
- | | | | |
|-------------------------|--------------------------|---------------------|--------------------------|
| (a) Mass Memory | ☐ | (b) Internal Memory | ☐ |
| (c) Non-Volatile Memory | ☐ | (d) PROM | ☐ |
21. Where is BIOS is stored?
- | | | | |
|-----------------------|--------------------------|------------------|--------------------------|
| (a) Hard Disk | ☐ | (b) RAM | ☐ |
| (c) Flash Memory Chip | ☐ | (d) Any of these | ☐ |

22. BIOS is used for?
 (a) Updating system information ☐ (b) Loading Operating System ☐
 (c) It helps in routing ☐ (d) Organized Input device ☐
23. 1 MB is equal to
 (a) 1024 Bytes ☐ (b) 1024 Kilobytes ☐
 (c) 1024 Gigabytes ☐ (d) 1024 Bits ☐
24. Which is odd one?
 (a) RAM ☐ (b) ROM ☐
 (c) Cache ☐ (d) Hard Disk ☐
25. Which device among following is used for sending digital data over phone lines?
 (a) USB ☐ (b) Scanner ☐
 (c) Printer ☐ (d) Modem ☐
26. IP Address version 4 is in which format?
 (a) 4 bit ☐ (b) 8 bit ☐
 (c) 16 bit ☐ (d) 32 bit ☐
27. In banking, railways etc which computers are used?
 (a) Mini Computer ☐ (b) Network computer ☐
 (c) Mainframe Computer ☐ (d) Super Computer ☐
28. Which type of software is an operating system?
 (a) Utility Software ☐ (b) System Software ☐
 (c) Application Software ☐ (d) Firmware ☐
29. Microsoft Office is a type of-
 (a) System Software ☐ (b) Application Software ☐
 (c) Utility Software ☐ (d) Firmware ☐
30. Intersection of columns and rows is called-
 (a) Data ☐ (b) Table ☐
 (c) Cell ☐ (d) Scheme ☐
31. Which is responsible for communication between memory and ALU?
 (a) Keyboard ☐ (b) RAM ☐
 (c) Control Unit ☐ (d) USB ☐
32. 1 byte is equal to
 (a) 4 bits ☐ (b) 8 bits ☐
 (c) 12 bits ☐ (d) 16 bits ☐
33. Which term is related to database?
 (a) PHP ☐ (b) Java ☐
 (c) Oracle ☐ (d) Assembly ☐
34. Who invented Keyboard?
 (a) James Gosling ☐ (b) Steve Jobs ☐
 (c) Martin Cooper ☐ (d) Christopher Latham Sholes ☐
35. What is the full form of OMR?
 (a) Optical Mark Reader ☐ (b) Optical Message Reader ☐
 (c) Optical Message Render ☐ (d) Optical Mark Render ☐
36. Which Function key is used to check spellings?
 (a) F2 ☐ (b) F5 ☐
 (c) F7 ☐ (d) F11 ☐

37. Which type of storage is a RAM?
 (a) Primary ☐ (b) Secondary ☐
 (c) Tertiary ☐ (d) None of these ☐
38. What is the full form of RAM?
 (a) Read Access Memory ☐ (b) Read Alternative Memory ☐
 (c) Random Access Memory ☐ (d) Random Alternative Memory ☐
39. What is the full form of TIFF?
 (a) The Image File Format ☐ (b) Tagged Image File Format ☐
 (c) Tagged Image File Front ☐ (d) The Image Fax Format ☐
40. Name of the screen that recognizes touch input is-
 (a) Recog Screen ☐ (b) Point Screen ☐
 (c) Touch Screen ☐ (d) Android Screen ☐
41. Superscript, outline, emboss, engrave are known as-
 (a) Font Styles ☐ (b) Font Effects ☐
 (c) Word Art ☐ (d) Text Effects ☐
42. In MS-Word, to get the Symbol dialog box, click on the___menu and choose Symbol-
 (a) Insert ☐ (b) View ☐
 (c) Page Layout ☐ (d) Mailings ☐
43. In case of MS-Word, which of the following is not available in Font Spacing?
 (a) Normal ☐ (b) Loosely ☐
 (c) Condensed ☐ (d) Expanded ☐
44. Bold, Italic, Regular are known as-
 (a) Font Styles ☐ (b) Font Effects ☐
 (c) Word Art ☐ (d) Text Effect ☐
45. VDU is also called-
 (a) Screen ☐ (b) Monitor ☐
 (c) Both A and B ☐ (d) Printer ☐
46. A result of a Computer virus can not lead to-
 (a) Disk Crash ☐ (b) Mother Board Crash ☐
 (c) Corruption of Program ☐ (d) Deletion of Files ☐
47. Firewalls are used to protect against-
 (a) Unauthorized Access ☐ (b) Virus Attacks ☐
 (c) Data Driven Attacks ☐ (d) Fire Attacks ☐
48. Which of the following Extension suggest that the file is a backup copy?
 (a) .bak ☐ (b) .bas ☐
 (c) .com ☐ (d) .txt ☐
49. For creating a document, you select_____ option at File Menu-
 (a) Open ☐ (b) Edit ☐
 (c) New ☐ (d) Save ☐
50. Which of the following is not a storage device?
 (a) DVD ☐ (b) Hard Disk ☐
 (c) Floppy Disk ☐ (d) Mouse ☐