

**GOVERNMENT OF MIZORAM
EXCISE AND NARCOTICS DEPARTMENT
EXAMINATION FOR RECRUITMENT TO THE POST OF CONSTABLE - 2021**

Roll No. _____

Invigilator Signature _____

Full Mark: 200 marks

Time allowed: 3 hours

PAPER – II

(All questions are multiple choice questions. Attempt all questions. Each question carries 2 marks)

Tick mark the correct answer inside the given box ☒ from the following:

(SIMPLE ARITHMETIC)

1. At 10:00 a.m. a car leaves Aizawl for Champhai, travelling at the rate of 40 km/h. How fast must a second car travel if it is to leave Aizawl an hour later and overtake the first car at 3.00 p.m.?

<input type="checkbox"/> (A) 50 km/h	<input type="checkbox"/> (B) 55 km/h
<input type="checkbox"/> (C) 60 km/h	<input type="checkbox"/> (D) 65 km/h

2. 90 litres of salt solution contains 50% salt. How much water should be added to make it a 30 % solution of salt?

<input type="checkbox"/> (A) 40 litres	<input type="checkbox"/> (B) 50 litres
<input type="checkbox"/> (C) 60 litres	<input type="checkbox"/> (D) 65 litres

3. There are 30 flowers in a bouquet. 18 are roses and the remaining are orchids. What is the ratio of orchids to roses?

<input type="checkbox"/> (A) 3 : 2	<input type="checkbox"/> (B) 2 : 3
<input type="checkbox"/> (C) 3 : 5	<input type="checkbox"/> (D) 5 : 7

4. Dina, Liana and Puia shared an amount of Rs. 240 in the ratio 5 : 3 : 8. How much did Puia get?

<input type="checkbox"/> (A) Rs. 120	<input type="checkbox"/> (B) Rs. 75
<input type="checkbox"/> (C) Rs. 45	<input type="checkbox"/> (D) Rs. 90

5. If 5 cats can catch 5 rats in 5 minutes, how many rats can be caught by 100 cats in 100 minutes?

<input type="checkbox"/> (A) 100 rats	<input type="checkbox"/> (B) 200 rats
<input type="checkbox"/> (C) 1000 rats	<input type="checkbox"/> (D) 2000 rats

6. After 20% reduction on the price of a suit, it is bought at Rs. 420. What is the original price?
- ☐ (A) Rs. 500 ☐ (B) Rs. 525
☐ (C) Rs. 550 ☐ (D) Rs. 575
7. Zuali got 50% marks in Hindi, 75% marks in English and 90 marks in Mathematics. The maximum marks in each of the subjects were 100, 140 and 160 respectively. Find her aggregate percentage?
- ☐ (A) 60% ☐ (B) 60.35%
☐ (C) 61.25% ☐ (D) 62.25%
8. If the cost price is Rs. 200 and the selling price is Rs. 230. What is the profit percent?
- ☐ (A) 15% ☐ (B) 13%
☐ (C) 23% ☐ (D) 30%
9. In how many years will a sum of money double itself at 10% simple interest?
- ☐ (A) 12 years ☐ (B) 10 years
☐ (C) 8 years ☐ (D) 6 years
10. Two tables were sold at Rs. 990 each, one at a profit of 10% and the other at a loss of 10%. What is the percentage of profit or loss?
- ☐ (A) 10% loss ☐ (B) 10% profit
☐ (C) 1% loss ☐ (D) 1% profit
11. What sum of money will should be invested for 5 years at 8% to earn the same interest as Rs. 3,600 at 10% for 4 years?
- ☐ (A) Rs. 4,000 ☐ (B) Rs. 3,950
☐ (C) Rs. 3,600 ☐ (D) Rs. 3,500
12. The distance covered by a wheel with radius 7 cm in 200 revolutions is:
- ☐ (A) 140 cm ☐ (B) 280 cm
☐ (C) 440 cm ☐ (D) 88 m
13. How many times a boy has to run around a field 83 m long and 33 m wide in order to cover 812 m?
- ☐ (A) 3.5 times ☐ (B) 4 times
☐ (C) 5 times ☐ (D) 6 times

14. A lawn is 80 m long and 60 m wide. There is a swimming pool of length $20\text{ m} \times 6\text{ m}$ in this lawn. What will be the cost of putting grass in the remaining part of the field at Rs. 30 per square meter?
- ☐ (A) Rs. 50,000 ☐ (B) Rs. 1,40,400
☐ (C) Rs. 1,50,000 ☐ (D) Rs. 24,580
15. How many bricks will be required to construct a wall 13.5 m long, 6 m high and 22.5 cm thick if each brick measures $27\text{ cm} \times 12.5\text{ cm} \times 9\text{ cm}$?
- ☐ (A) 5000 ☐ (B) 6000
☐ (C) 7000 ☐ (D) 8000
16. A classroom is 10 m long, 6.4 m wide and 5 m high. If each student be given 1.6 m^2 of the floor area, how many cubic meters of air would each student get?
- ☐ (A) 6 ☐ (B) 7
☐ (C) 8 ☐ (D) 9
17. $0.02 \times 0.005 = \underline{\hspace{2cm}}$:
- ☐ (A) 0.00001 ☐ (B) 0.0001
☐ (C) 0.001 ☐ (D) 0.01
18. Which of the following is equal to 3.14×10^6 ?
- ☐ (A) 31400 ☐ (B) 3140000
☐ (C) 3140 ☐ (D) 314
19. 4.036 divided by 0.04 gives:
- ☐ (A) 1.009 ☐ (B) 10.09
☐ (C) 100.9 ☐ (D) 0.109
20. The square of a number is 18 more than thrice the number. What is the number?
- ☐ (A) 6 ☐ (B) 9
☐ (C) 11 ☐ (D) 18
21. Simplify $85 - 20 \div 4 + 10$ of 2:
- ☐ (A) 100 ☐ (B) 90
☐ (C) 80 ☐ (D) 75
22. The product of an even number and an odd number is always _____.
- ☐ (A) odd number ☐ (B) even number
☐ (C) prime number ☐ (D) 100

23. Which of the following pairs of numbers is a co-prime number?
- | | |
|--|--|
| <input type="checkbox"/> (A) 12 and 15 | <input type="checkbox"/> (B) 11 and 19 |
| <input type="checkbox"/> (C) 13 and 26 | <input type="checkbox"/> (D) 25 and 30 |
24. Find the greatest number which divides 34, 60 and 85, leaving remainders of 7, 6 and 4 respectively.
- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> (A) 24 | <input type="checkbox"/> (B) 25 |
| <input type="checkbox"/> (C) 26 | <input type="checkbox"/> (D) 27 |
25. Find the lowest number that is divisible by 3, 4, 5, 6, 10 and 15.
- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> (A) 30 | <input type="checkbox"/> (B) 45 |
| <input type="checkbox"/> (C) 25 | <input type="checkbox"/> (D) 15 |
26. Subtract -30 from -70 , you get ____.
- | | |
|------------------------------------|-------------------------------------|
| <input type="checkbox"/> (A) -40 | <input type="checkbox"/> (B) -100 |
| <input type="checkbox"/> (C) 40 | <input type="checkbox"/> (D) 100 |
27. Find the number multiplied by 7 and then subtracted by 10 and becomes 130.
- | | |
|---------------------------------|----------------------------------|
| <input type="checkbox"/> (A) 40 | <input type="checkbox"/> (B) 140 |
| <input type="checkbox"/> (C) 20 | <input type="checkbox"/> (D) 14 |
28. A man divides Rs. 84,630 between his daughter and son in the ratio 3 : 4 respectively. How much does the son get?
- | | |
|---|---|
| <input type="checkbox"/> (A) Rs. 36,270 | <input type="checkbox"/> (B) Rs. 38,215 |
| <input type="checkbox"/> (C) Rs. 48,360 | <input type="checkbox"/> (D) Rs. 42,113 |
29. 12 books cost Rs. 96. What is the cost of 20 books?
- | | |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> (A) Rs. 140 | <input type="checkbox"/> (B) Rs. 150 |
| <input type="checkbox"/> (C) Rs. 160 | <input type="checkbox"/> (D) Rs. 170 |
30. Liani bought 72 kg of rice for Rs. 324. How many kilograms of rice could she buy if she had spent only Rs. 144?
- | | |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> (A) 25 kg | <input type="checkbox"/> (B) 32 kg |
| <input type="checkbox"/> (C) 40 kg | <input type="checkbox"/> (D) 45 kg |
31. Each child in a family has at least 2 brothers and 1 sister. What is the least number of children in the family?
- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> (A) 3 | <input type="checkbox"/> (B) 4 |
| <input type="checkbox"/> (C) 5 | <input type="checkbox"/> (D) 6 |

32. A monkey climbs 3 feet up a slippery pole every second and slips down 2 feet over the next second. How many seconds will the monkey take to reach a banana tied 15 feet up the slippery pole?
- ☐ (A) 15 seconds ☐ (B) 20 seconds
☐ (C) 25 seconds ☐ (D) 30 seconds
33. The sum of two numbers is 1 and their product is -30 . What are the numbers?
- ☐ (A) 6 and -5 ☐ (B) -6 and 5
☐ (C) 10 and -3 ☐ (D) -15 and 16
34. Every floor of a 104-storey skyscraper is 4 m high. If a balloon rises 3 m every second, how long will it take to rise from the 36th floor to the 96th floor?
- ☐ (A) 70 seconds ☐ (B) 80 seconds
☐ (C) 90 seconds ☐ (D) 100 seconds
35. Kunga was driving his car at a high speed. Seeing a crowd far ahead, he applied the brake. During the next 15 seconds, the speed of the car changed by 30 km/h. What is the change of speed per second?
- ☐ (A) 2 km/h ☐ (B) 3 km/h
☐ (C) 4 km/h ☐ (D) 5 km/h
36. One-third of 6 dozen fruits in a fruit seller's cart are apples. If one-fourth of all the fruits are oranges and the rest of the fruits are bananas, how many dozen bananas are there in the fruit seller's cart?
- ☐ (A) 1 dozen ☐ (B) 2 dozen
☐ (C) $2\frac{1}{2}$ dozen ☐ (D) 3 dozen
37. $0.838383\dots$ is equal to:
- ☐ (A) $0.8\overline{3}$ ☐ (B) $0.\overline{83}$
☐ (C) $0.\overline{8}3$ ☐ (D) $08.\overline{3}$
38. A cable $27\frac{1}{2}$ m long is cut into equal pieces measuring $2\frac{3}{4}$ m each. How many pieces has the cable been cut into?
- ☐ (A) 8 pieces ☐ (B) 10 pieces
☐ (C) 15 pieces ☐ (D) 18 pieces

39. Of the 1050 teachers and students in a school, $\frac{3}{7}$ are girl students, $\frac{1}{50}$ are teachers and the rest are boys. How many boys are there in the school?
- ☐ (A) 579 ☐ (B) 557
☐ (C) 526 ☐ (D) 476
40. Siامي reads one-sixth of an hour on the first day, one-fourth of an hour on the second day, one-third of an hour on the third day. If this pattern continues, how long will she read on the fifth day?
- ☐ (A) 25 minutes ☐ (B) 30 minutes
☐ (C) 35 minutes ☐ (D) 40 minutes
41. Solve $441.709 \div 18.14$
- ☐ (A) 23.56 ☐ (B) 24.26
☐ (C) 24.35 ☐ (D) 25.35
42. A social service group buys 43.7 kg of rice at Rs. 12 per kg and distributes it equally amongst 152 poor people. What is the cost of the quantity of rice each person get?
- ☐ (A) Rs. 2.50 ☐ (B) Rs. 3.45
☐ (C) Rs. 4 ☐ (D) Rs. 4.35
43. What should be added to 3.189 to get 7.5?
- ☐ (A) 4.311 ☐ (B) 3.745
☐ (C) 4.321 ☐ (D) 5.2
44. Simplify $2^7 \div 2^3$
- ☐ (A) 1 ☐ (B) 2^4
☐ (C) 2^{10} ☐ (D) 2^{21}
45. The length of the longest pole that can be put in a room of dimension $10\text{m} \times 10\text{m} \times 5\text{m}$ is:
- ☐ (A) 13m ☐ (B) 15m
☐ (C) 14m ☐ (D) 16m
46. Convert one day into second.
- ☐ (A) 86,400 sec ☐ (B) 3,600 sec
☐ (C) 26,000 sec ☐ (D) 3,200 sec

47. I think of a number x , add 15 to it and divide the result by 3, then I get 7. What is x ?
- ☐ (A) 4 ☐ (B) 5
☐ (C) 6 ☐ (D) 7
48. A number is multiplied by 3 and 7 is taken away from the product to get the answer 17. What is the number?
- ☐ (A) 5 ☐ (B) 6
☐ (C) 7 ☐ (D) 8
49. Two cars leave at the same time from two different towns, which are 400 km apart, towards each other. One car is moving at a speed of 52 km/h and the other at 48 km/h. After how much time will they cross each other?
- ☐ (A) 3 hours ☐ (B) 4 hours
☐ (C) 5 hours ☐ (D) 6 hours
50. Kunga is now 4 times as old as Sangi. 5 years ago, Kunga was 7 times as old as Sangi. Find the present age of Sangi.
- ☐ (A) 10 years ☐ (B) 8 years
☐ (C) 9 years ☐ (D) 12 years

(BASIC COMPUTER KNOWLEDGE)

51. An inbox is where you can find -
- ☐ (A) sent e-mail ☐ (B) new e-mail
☐ (C) deleted e-mail ☐ (D) every e-mail
52. Which of the following describes software that is created and distributed for malicious purposes?
- ☐ (A) Freeware ☐ (B) Vaporware
☐ (C) Malware ☐ (D) All of these
53. In order to edit a chart in a PowerPoint slide, you can -
- ☐ (A) triple click the chart ☐ (B) double click the chart
☐ (C) click and drag the chart ☐ (D) click the chart
54. During a slide show in PowerPoint, pressing the Esc key -
- ☐ (A) displays the last slide ☐ (B) displays the first slide
☐ (C) ends the slide show ☐ (D) displays the previous slide

55. Which of the following sections do not exist in a slide layout in PowerPoint?
- ☐ (A) Titles ☐ (B) Lists
- ☐ (C) Charts ☐ (D) Animations
56. Which of the following is a default page set up orientation for slides in PowerPoint?
- ☐ (A) Vertical ☐ (B) Landscape
- ☐ (C) Portrait ☐ (D) Horizontal
57. The first computers were programmed using -
- ☐ (A) assembly language ☐ (B) machine language
- ☐ (C) source code ☐ (D) object code
58. Magnetic Tape can serve as –
- ☐ (A) input device ☐ (B) secondary storage device
- ☐ (C) output device ☐ (D) outsourcing device
59. The digital computer was developed primarily in -
- ☐ (A) USA ☐ (B) UK
- ☐ (C) Russia ☐ (D) Germany
60. A CPU contains -
- ☐ (A) a card reader and a printing device
- ☐ (B) an analytical engine and a control unit
- ☐ (C) a control unit and an arithmetic logic unit
- ☐ (D) an arithmetic logic unit and a card reader
61. 1 byte is equal to:
- ☐ (A) 4 bits ☐ (B) 5 bits
- ☐ (C) 6 bits ☐ (D) 8 bits
62. You organise files by storing them in -
- ☐ (A) archives ☐ (B) folders
- ☐ (C) indexes ☐ (D) lists
63. ALU is -
- ☐ (A) Arithmetic Logic Unit ☐ (B) Array Logic Unit
- ☐ (C) Application Logic Unit ☐ (D) None of these

64. You can edit existing Excel data by pressing the -
☐ (A) F1 key ☐ (B) F2 key
☐ (C) F3 key ☐ (D) F4 key
65. Which of the cell pointer indicates that you can move the content in a cell to other cell in MS Excel?
☐ (A) Doctor's symbol (Big Plus) ☐ (B) Small thin plus icon
☐ (C) Blinking of pointer ☐ (D) Mouse pointer with anchor at the tip
66. HTML stands for-
☐ (A) Hyper Text Making Links ☐ (B) Hyper Text Markup Language
☐ (C) Hyper Text Mixture of Links ☐ (D) Hyper Text Marking Language
67. Which of the following is a valid IP address?
☐ (A) 984.12.787.76 ☐ (B) 192.168.321.10
☐ (C) 1.888.234.3456 ☐ (D) 192.168.56.115
68. Buying and selling of goods over the internet is called -
☐ (A) e-commerce ☐ (B) cyber-selling
☐ (C) cyber-marketing ☐ (D) e-dealing
69. HUB is a _____ device.
☐ (A) Unicast ☐ (B) Multicast
☐ (C) Broadcast ☐ (D) None of these
70. Radio communication frequencies range from -
☐ (A) 3 KHz to 300 KHz ☐ (B) 3 KHz to 300 GHz
☐ (C) 300 KHz to 3 Ghz ☐ (D) 3 KHz to 3000 GHz
71. Sending a file from one computer's primary memory or disk to another computer is called-
☐ (A) uploading ☐ (B) hanging on
☐ (C) logging on ☐ (D) downloading
72. Software which allows user to view a webpage is called ____:
☐ (A) Operating system ☐ (B) Interpreter
☐ (C) Browsers ☐ (D) website
73. Computer which stores different web pages is called _____.
☐ (A) web server ☐ (B) web browser
☐ (C) service provider ☐ (D) none of these

74. A user-interface that is easy to use is considered to be -
☐ (A) User happy ☐ (B) User simple
☐ (C) User friendly ☐ (D) User defect
75. Which of the following is a drop down list?
☐ (A) List ☐ (B) Combo box
☐ (C) Text area ☐ (D) all of these
76. By default, on which page the header or the footer is printed in MS Word?
☐ (A) On first page ☐ (B) On every page
☐ (C) On alternate page ☐ (D) On last page
77. Which of these toolbars in MS Word allows changing of Fonts and their sizes?
☐ (A) Standard ☐ (B) Print Preview
☐ (C) Formatting ☐ (D) Bullets & Numbering
78. The function of Ctrl + Z in Ms Word is -
☐ (A) Print command ☐ (B) Save
☐ (C) Minimize ☐ (D) Undo
79. Which option in file pull-down menu is used to close a file in MS Word?
☐ (A) New ☐ (B) Close
☐ (C) Window ☐ (D) Exit
80. Which of the following is not a font style?
☐ (A) Bold ☐ (B) Regular
☐ (C) Superscript ☐ (D) Italics
81. The best way to create a heading in a word document is to -
☐ (A) apply a larger font size ☐ (B) add bold formatting
☐ (C) apply a heading style ☐ (D) none of these
82. Which would you choose to display the statistics about a word document?
☐ (A) tools, word count ☐ (B) tools, spelling and grammar
☐ (C) tools, statistics ☐ (D) insert, statistics
83. Which shortcut is used to select all the text in the word document?
☐ (A) Ctrl + S ☐ (B) Ctrl + A
☐ (C) Ctrl + N ☐ (D) Ctrl + D

84. In Excel, B7:B9 indicates:
- | | |
|--|---|
| <input type="checkbox"/> (A) cell B7 and cell B9 | <input type="checkbox"/> (B) cell B7 to cell B9 |
| <input type="checkbox"/> (C) cell B8 only | <input type="checkbox"/> (D) cell B9 only |
85. You can enter which types of data into Excel cells?
- | | |
|--|---|
| <input type="checkbox"/> (A) Labels, values and formulas | <input type="checkbox"/> (B) Labels and values but not formulas |
| <input type="checkbox"/> (C) Values and formulas only | <input type="checkbox"/> (D) Values and formulas but not labels |
86. To drag a selected range of data to another worksheet in the same workbook in a spreadsheet, use the -
- | | |
|--|--|
| <input type="checkbox"/> (A) Tab key | <input type="checkbox"/> (B) Shift key |
| <input type="checkbox"/> (C) Control key | <input type="checkbox"/> (D) Alt key |
87. Status indicators in Excel are located in the -
- | | |
|--|--|
| <input type="checkbox"/> (A) Vertical scroll bar | <input type="checkbox"/> (B) Horizontal scroll bar |
| <input type="checkbox"/> (C) Formula bar | <input type="checkbox"/> (D) Formatting tool bar |
88. The Name box on to the left of formula bar in Excel shows the name of -
- | |
|---|
| <input type="checkbox"/> (A) workbook currently working on |
| <input type="checkbox"/> (B) worksheet currently working on |
| <input type="checkbox"/> (C) cell or range currently working on |
| <input type="checkbox"/> (D) None of these |
89. Which of the following is a domain name suffix?
- | | |
|-----------------------------------|--|
| <input type="checkbox"/> (A) .com | <input type="checkbox"/> (B) .net |
| <input type="checkbox"/> (C) .web | <input type="checkbox"/> (D) none of these |
90. Find the right email address from the following.
- | | |
|---|---|
| <input type="checkbox"/> (A) computer.gmail.com | <input type="checkbox"/> (B) computer17@gmail.com |
| <input type="checkbox"/> (C) facebook.com@gmail | <input type="checkbox"/> (D) none of these |
91. Unwanted and unsolicited e-mails are called -
- | | |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> (A) spam | <input type="checkbox"/> (B) junk |
| <input type="checkbox"/> (C) flame | <input type="checkbox"/> (D) flare |
92. A 'phishing e-mail' usually means -
- | | |
|---|--|
| <input type="checkbox"/> (A) an e-mail about fishing | <input type="checkbox"/> (B) an electronic encrypted e-mail |
| <input type="checkbox"/> (C) an e-mail with dirty jokes | <input type="checkbox"/> (D) an e-mail asking personal information |

93. RAM is an example of -
☐ (A) Secondary memory ☐ (B) Primary Memory
☐ (C) Main memory ☐ (D) Both (A) and (B)
94. The CPU and memory are located on the -
☐ (A) motherboard ☐ (B) expansion board
☐ (C) storage device ☐ (D) output device
95. All of the following are examples of real security and privacy risks except -
☐ (A) hackers ☐ (B) Spam
☐ (C) viruses ☐ (D) identity theft
96. Which is called supervisor of computer activity?
☐ (A) Memory ☐ (B) Operating System
☐ (C) I/O device ☐ (D) Control Unit
97. Which is the first program run on a computer when the computer boots up?
☐ (A) System software ☐ (B) Operating system
☐ (C) System operation ☐ (D) System tray
98. My Computer was introduced from -
☐ (A) Windows 3.1 ☐ (B) Windows 3.11
☐ (C) Windows 95 ☐ (D) Windows 98
99. Which of the following Windows does not have Start button?
☐ (A) Windows Vista ☐ (B) Windows 7
☐ (C) Windows 8 ☐ (D) Windows 10
100. Which of the following is not a multitasking operating system?
☐ (A) DOS ☐ (B) Windows
☐ (C) Linux ☐ (D) Win NT

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