

**COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POST OF  
EXCISE & NARCOTICS CONSTABLE, JULY, 2018**

**Simple Arithmetic & Basic Computer Knowledge**

**Roll No** \_\_\_\_\_

**Signature of Invigilator** \_\_\_\_\_

**Paper-II**

Time allowed: 3 Hours

**Booklet Series [ A ]**

200 Marks

All questions carry equal marks of 2 each. There is no negative mark for wrong answer  
(Circle the correct answer and tick mark at the end of the answer)

**Attempt all questions**

1. All numbers are
  - (a) Decimal numbers
  - (b) Even numbers
  - (c) Odd numbers
  - (d) Negative Integers
2. You need to keep a record of the number of people that attend the outpatient department during the course of a week. The numbers for each day are as follows: Monday, 183; Tuesday, 215; Wednesday, 264; Thursday, 192; Friday, 117. What is the total number of patients for the week?
  - (a) 917
  - (b) 971
  - (c) 791
  - (d) 197
3. If a patient weighs 64 kg and they have to be given 15 mg for each kilogram of their body weight, how much of the drug that they need the amount of drug per kilogram?
  - (a) 690
  - (b) 609
  - (c) 906
  - (d) 960
4. 746848 is divisible by
  - (a) 3
  - (b) 7
  - (c) 8
  - (d) 9
5. Arrange the fractions  $a = \frac{3}{5}$ ,  $b = \frac{4}{7}$ ,  $c = \frac{8}{9}$  and  $d = \frac{9}{11}$  in their descending order.
  - (a) a,b,c,d
  - (b) c,d,a,c
  - (c) a,d,c,b
  - (d) c,d,a,b

6. Find the value of  $\frac{1}{2} \times 3 + \frac{1}{3} \times 4 + \frac{1}{4} \times 5 + \frac{1}{5} \times 6 + \dots + \frac{1}{9} \times 10$

a)  $\frac{4}{10}$

b)  $\frac{2}{10}$

c)  $\frac{2}{5}$

d)  $\frac{4}{5}$

7. What is the square root of -25?

- (a) -25
- (b) 5
- (c) -5
- (d) 25

8. The 4th of April 2016 is a Square Root Day, because the date looks like 4/4/16. The next after that is the.....

- (a) 5th of May 2025 (5/5/25)
- (b) 6th of June 2226 (6/6/26)
- (c) 7th of July 2027 (7/7/27)
- (d) 8th of Aug.2028 (8/8/28)

9. Square root of 225 is...

- (a) 25
- (b) 22
- (c) 15
- (d) 16

10. If five students scored 96, 94, 92, 87, and 81, what is the average score of the students?

- (a) 92
- (b) 94
- (c) 87
- (d) 90

11. A dealer purchased a washing machine for Rs 7660. He allows a discount of 12% on its marked price and still gains 10%. Find the marked price of the machine.

- (a) Rs 9557
- (b) Rs 9576
- (c) Rs 9575
- (d) Rs 9577

12. A trader marks his goods at 40% above the cost price and allows a discount of 25%. What is his gain percent?
- (a) 5%
  - (b) 10%
  - (c) 15 %
  - (d) 20%
13. What is the percentage of 35% of 45?
- (a) 15.15
  - (b) 15.25
  - (c) 15.50
  - (d) 15.75
14. What is 7% of 45?
- (a) 3.15
  - (b) 3.30
  - (c) 3.45
  - (d) 3.60
15. Convert 0.35 to percentage.
- (a) 35 %
  - (b) 3.5 %
  - (c) 5.3 %
  - (d) 53 %
16. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is...
- (a) 15
  - (b) 16
  - (c) 18
  - (d) 25
17. A Para bought sweet at 6 for a rupee. How many for a rupee must he sell to gain 20%?
- (a) 3
  - (b) 4
  - (c) 5
  - (d) 6
18. An article is bought for Rs.600 and sold for Rs.500, find the loss percent
- (a)  $16 \frac{4}{3} \%$
  - (b)  $100/3 \%$
  - (c) 16 %
  - (d)  $16 \frac{2}{3} \%$
19. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number.
- (a) 2.5
  - (b) 3.5
  - (c) 5.3
  - (d) 7.3

20. Salaries of Rova and Sangi are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sangi's salary??
- (a) Rs 17,000
  - (b) Rs 20,000
  - (c) Rs 25,500
  - (d) Rs 38,000
21. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:
- (a) 2.5
  - (b) 3.5
  - (c) 4.5
  - (d) 5.5
22. Alan and Betty invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and Alan's share is Rs. 855, the total profit is
- (a) Rs 1500
  - (b) Rs 1550
  - (c) Rs 1525
  - (d) Rs 1535
23. Mala, Kunga and Vala invested Rs. 8000, Rs. 4000 and Rs. 8000 respectively in a business. Mala left after six months. If after eight months, there was a gain of Rs. 4005, then what will be the share of Kunga?
- (a) Rs 891
  - (b) Rs 980
  - (c) Rs 809
  - (d) Rs 890
24. Mawia began a business with Rs. 85,000. He was joined afterwards by Buanga with Rs. 42,500. For how much period does Buanga join, if the profits at the end of the year are divided in the ratio of 3 : 1?
- (a) 5 months
  - (b) 6 months
  - (c) 7 months
  - (d) 8 months
25. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day
- (a) 12
  - (b) 13
  - (c) 14
  - (d) 15
26. What is the full form of CCC?
- (a) Course on Computer Concepts
  - (b) Certificate Course on Computer
  - (c) Certificate on Computer Concept
  - (d) Course and Computer Concept

27. What is full form of MODEM ?
- (a) Modulation And Demodulation
  - (b) Modulator And Demodulator
  - (c) Modulator And Electronic Demodulator
  - (d) Modulator Or Digital Electronic Demodulator
28. Which is the correct sequence in ascending order
- (a) Bit, Byte, Megabyte, Gigabyte
  - (b) Megabyte, Bit, Byte, Gigabyte
  - (c) Gigabyte, Megabyte, Byte, Bit
  - (d) Megabyte, Byte, Bit, Gigabyte
29. Which of the following is not a brand name of computer?
- (a) HP
  - (b) Acer
  - (c) IBM
  - (d) Philips
30. What is the full form of DVD
- (a) Digital Versatile Disc
  - (b) Digital Versatiler Disk
  - (c) Digital Visio Data
  - (d) Digital Versatile Data
31. A modern computer has
- (a) Extreme high speed
  - (b) Large memory
  - (c) Almost unlimited array
  - (d) All of the above
32. Floppy Disc has been replace by
- (a) Hard Disk
  - (b) Pendrive
  - (c) Mouse
  - (d) Blue Ray
33. A storage system for small amounts of data is
- (a) Magnetic Tape
  - (b) Magnetic Card
  - (c) Magnetic Card Reader
  - (d) Optical Mark Reader
34. Which among following is not a programming language ?
- (a) Php
  - (b) Java
  - (c) IEEE
  - (d) Perl
35. A compiler means
- (a) A person who compiles source programs
  - (b) A program which translates source program into object program
  - (c) Keypunch operator
  - (d) The same thing as a programme

36. A pen shaped device which can sense light, and is used to point at spots on a video screen
- (a) Mouse
  - (b) Plotter
  - (c) Light Pen
  - (d) Plotter
37. Computer memory consists of
- (a) RAM
  - (b) ROM
  - (c) PROM
  - (d) All of the above
38. A memory that holds micro programs is
- (a) RAM
  - (b) Control Memory
  - (c) ROM
  - (d) Core Memory
39. Which of the following is the coding of data so that is can't be easily understood if intercepted
- (a) Encryption
  - (b) Barcode
  - (c) Decoder
  - (d) Mnemonics
40. RAM is used as a short memory because it is
- (a) Has small capacity
  - (b) Volatile
  - (c) Is very expensive
  - (d) Is programmable
41. Which is a device that changes information into digital form?
- (a) Mouse
  - (b) Modem
  - (c) Digitizer
  - (d) Light pen
42. Which of the following is not a multimedia
- (a) Mobile phone
  - (b) Computer
  - (c) Microphone
  - (d) Television
43. Web site's main page is called
- (a) Bookmark
  - (b) Browser page
  - (c) Home page
  - (d) Search page

44. The basic unit of a worksheet into which you enter data in Excel is called a
- (a) Cell
  - (b) Excel
  - (c) Column
  - (d) Box
45. Full form of HTTP
- (a) Hyper Text Transfer Protocol
  - (b) Hyper Text Transfer Plot
  - (c) Hyper Text Transfer Plant
  - (d) Hyper Text Transfer Proto
46. Backup that is going to be done outside of the server is known as
- (a) Server Free Back up
  - (b) Lan Free Back up
  - (c) Hot back up
  - (d) Cold Back up
47. LAN stands for
- (a) Local Area Network
  - (b) Location Access Network
  - (c) Location Area Network
  - (d) Local Anti Network
48. A group of independent computers attached to one another through communication media is..
- (a) Internet
  - (b) E mail
  - (c) Network
  - (d) All of the above
49. In MICR, C stands for
- (a) Code
  - (b) Character
  - (c) Computer
  - (d) Colour
50. A bar code reader is an example of
- (a) Input device
  - (b) Processing device
  - (c) Output device
  - (d) Storage device
51. If the cost of 2 metres of wire is 10 rupees, then what is the cost of 7 metres of wire at the same rate?
- (a) 45
  - (b) 35
  - (c) 25
  - (d) 55

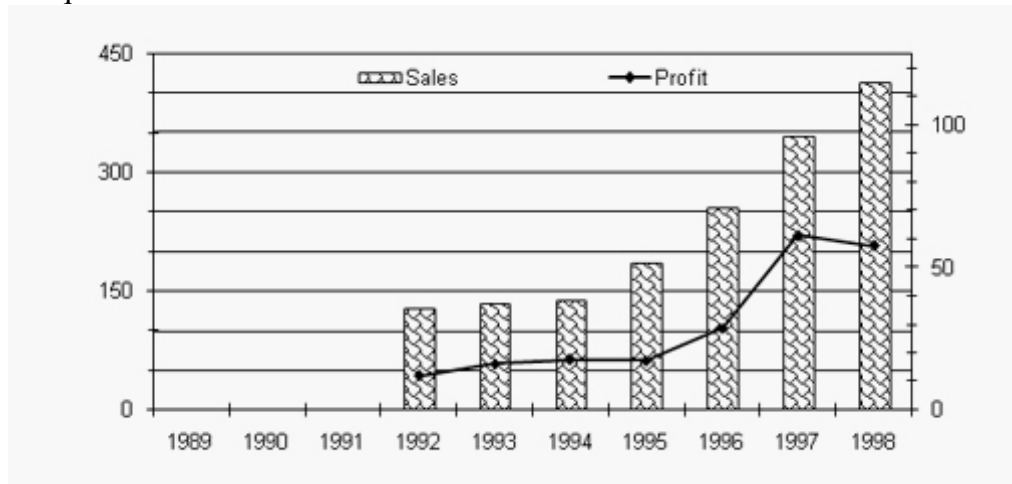
52. A fort had provision of food for 150 men for 45 days. After 10 days, 25 men left the fort. The number of days for which the remaining food will last?
- (a) 10
  - (b) 12
  - (c) 13
  - (d) 14
53. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?
- (a) Mumbai
  - (b) Delhi
  - (c) Kolkata
  - (d) Chennai
54. If a quarter kg of potato costs 25 Dollar, how many Dollar will 2 Kg cost?
- (a) Dollar 100
  - (b) Dollar 200
  - (c) Dollar 300
  - (d) Dollar 400
55. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk
- (a) 20
  - (b) 30
  - (c) 40
  - (d) 50
56. A, B and C can do a piece of work in 24, 25 and 26 days respectively. In how many days can A do the work alone?
- (a) 48
  - (b) 25
  - (c) 26
  - (d) 24
57. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
- (a) Rs 400
  - (b) Rs 500
  - (c) Rs 600
  - (d) Rs 700
58. "A" can do a certain work in the same time in which "B" and "C" together can do it. If "A" could do it in 10 days how long will it take for C and D to do the work?
- (a) 15
  - (b) 20
  - (c) 18
  - (d) 10

59. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
- (a) 7
  - (b) 7.2
  - (c) 7.5
  - (d) 8
60. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is
- (a) 30 km
  - (b) 40 km
  - (c) 50 km
  - (d) 55 km
61. A farmer travelled a distance of 81 km in 9 hours. What is the distance travelled in one hour?
- (a) 9 km
  - (b) 80 km
  - (c) 18 km
  - (d) 27 km
62. A sum fetched a total simple interest of Rs. 2500 at the rate of 5% p.a. in 5 years. What is the sum?
- (a) 7500
  - (b) 10000
  - (c) 12000
  - (d) 5000
63. What is the rate of interest when a sum of Rs 10000 yield a simple interest of 2500 in 5 years time?
- (a) 2 %
  - (b) 3 %
  - (c) 4 %
  - (d) 5 %
64. Rina took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?
- (a) 5 %
  - (b) 6 %
  - (c) 7 %
  - (d) 8 %
65. A sum of money amounts to Rs. 9800 after 5 years and Rs. 12005 after 8 years at the same rate of simple interest. The rate of interest per annum is:
- (a) 15 %
  - (b) 8 %
  - (c) 11 %
  - (d) 12 %

66. The angle of elevation of a ladder leaning against a wall is  $60^\circ$  and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:
- (a) 9.2
  - (b) 9.1
  - (c) 9
  - (d) 9.5
67. From a point P on a level ground, the angle of elevation of the top tower is  $30^\circ$ . If the tower is 100 m high, the distance of point P from the foot of the tower is:
- (a) 273 m
  - (b) 173 m
  - (c) 172 m
  - (d) 175 m
68. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are  $30^\circ$  and  $45^\circ$  respectively. If the lighthouse is 100 m high, the distance between the two ships is
- (a) 277 m
  - (b) 273 m
  - (c) 275 m
  - (d) 278 m
69. If there are 8 points in a plane, and no 3 of the points lie along the same line, how many unique lines can be drawn between pairs of these 8 points?
- (a) 26
  - (b) 27
  - (c) 28
  - (d) 29
70. At an ice cream store, there are 5 flavors of ice cream: strawberry, vanilla, chocolate, mint, and banana. How many different 3-flavor ice cream cones can be made?
- (a) 10
  - (b) 9
  - (c) 8
  - (d) 7
71. Mawia has six clean shirt and four pairs of pants to choose from. How many possible combinations of outfits can she make with these items?
- (a) 22
  - (b) 23
  - (c) 24
  - (d) 25

DIRECTIONS for questions 72 to 75:

Refer to the following graph of sales and profit figures of ABC Ltd and answer the questions that follow.



72. Return on sales (Profit/sales) was highest in which year?
- 1995
  - 1996
  - 1997
  - 1998
73. How many times return on sales (profit/sales) exceeded 15 % ?
- Once
  - Twice
  - Thrice
  - Never
74. How many times growth in profit over the previous year exceeded 50% was registered ?
- Once
  - Twice
  - Thrice
  - Never
75. When was the profit largest?
- 1998
  - 1997
  - 1996
  - 1998
76. What type of device is a digital camera?
- Input device
  - Software
  - Storage
  - Processor
77. Full form of URL is -
- Uniform Resource Location
  - Uniformity Resource Locator
  - Universal Resource Locator
  - Uniform Resource Locator

78. Laser printers belong to
- (a) Page Printer
  - (b) Line Printer
  - (c) Dot Matrix Printer
  - (d) Band Printer
79. What happens when you press CTRL + V key?
- (a) A capital V letter is typed into your document at the cursor point
  - (b) The chose drawing items are circulated vertically on the page
  - (c) The selected item is pasted from the clipboard
  - (d) The selected item is pasted to the clipboard
80. What is the short cut key for Print a Document?
- (a) Alt + P
  - (b) Ctrl + Alt + P
  - (c) Ctrl + P
  - (d) Shift + P
81. What is the short cut key for Select all contents of the page
- (a) Alt + A
  - (b) Ctrl + A
  - (c) ALT + DEL + A
  - (d) Ctrl + Alt + A
82. Which file format can be added to a PowerPoint show ?
- (a) .jpg
  - (b) .wav
  - (c) .gif
  - (d) All of the above
83. Which PowerPoint view works best for adding slide transitions ?
- (a) Notes view
  - (b) Slide sorter view
  - (c) Slide show view
  - (d) Slide view
84. To print powerpoint presentation, press :
- (a) Ctrl + Shift + P
  - (b) CTRL + S
  - (c) Ctrl + P
  - (d) Ctrl + A
85. The most widely used computer device is:
- (a) Mouse
  - (b) External hard disk
  - (c) Solid state disks
  - (d) Internal hard disk

86. Which of the following is not an example of hardware?
- (a) Scanner
  - (b) Monitor
  - (c) Interpreter
  - (d) Printer
87. What are the contents that are lost when turning off the computer?
- (a) Memory
  - (b) Input
  - (c) Output
  - (d) Storage
88. Collecting the data and converting it into information is called
- (a) Comporting
  - (b) Processing
  - (c) Exporting
  - (d) Compiling
89. E-mail addresses separate the user name from the ISP using the \_\_\_\_\_ symbol.
- (a) !
  - (b) ^
  - (c) \$
  - (d) @
90. The CPU is made up of two smaller components
- (a) ALU and CU
  - (b) ALU and RAM
  - (c) RAM and CU
  - (d) RAM and ROM
91. Where does header appear?
- (a) Centre
  - (b) Bottom
  - (c) Top
  - (d) Corner
92. How many bits make a half byte?
- (a) 4
  - (b) 5
  - (c) 6
  - (d) 7
93. Which of the following storage devices can be used for storing large backup data?
- (a) Floppy
  - (b) Magnetic tape
  - (c) Hard Disk
  - (d) Memory Card

94. Which of the following has the largest storage capacity for removable media?
- (a) Floppy Disk
  - (b) CD ROM
  - (c) Partitioned space
  - (d) DVD
95. This is responsible for performing all numerical and logical calculations in computer system.
- (a) Arithmetic and logic unit
  - (b) Memory
  - (c) RAM
  - (d) ROM
96. Data or information used to run the computer is called
- (a) Memory
  - (b) Software
  - (c) Hardware
  - (d) Peripheral
97. To boot the computer, a computer must have
- (a) Assembler
  - (b) Loader
  - (c) Operating system
  - (d) Compiler
98. The digits of the binary system are called
- (a) Bits
  - (b) Bytes
  - (c) Gigabytes
  - (d) Megabytes
99. When you turn on the computer, the boot routine will perform
- (a) Disk drive test
  - (b) Power-on self test
  - (c) Memory Test
  - (d) RAM Test
100. What does RAM stand for ?
- (a) Read Access Memory
  - (b) Read Anywhere Memory
  - (c) Random Anything Memory
  - (d) Random Access Memory

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**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.  $0.02 \times 0.005 =$  \_\_\_\_\_ :  
☐ (A) 0.00001                      ☐ (B) 0.0001  
☐ (C) 0.001                              ☐ (D) 0.01
2. Which of the following is equal to  $3.14 \times 10^6$  ?  
☐ (A) 31400                              ☐ (B) 3140000  
☐ (C) 3140                                ☐ (D) 314
3. 4.036 divided by 0.04 gives:  
☐ (A) 1.009                              ☐ (B) 10.09  
☐ (C) 100.9                               ☐ (D) 0.109
4. The square of a number is 18 more than thrice the number. What is the number?  
☐ (A) 6                                      ☐ (B) 9  
☐ (C) 11                                      ☐ (D) 18
5. Simplify  $85 - 20 \div 4 + 10$  of 2:  
☐ (A) 100                                  ☐ (B) 90  
☐ (C) 80                                      ☐ (D) 75
6. The product of an even number and an odd number is always \_\_\_\_\_.  
☐ (A) odd number                      ☐ (B) even number  
☐ (C) prime number                      ☐ (D) 100
7. Which of the following pairs of numbers is a co-prime number?  
☐ (A) 12 and 15                      ☐ (B) 11 and 19  
☐ (C) 13 and 26                      ☐ (D) 25 and 30

8. Find the greatest number which divides 34, 60 and 85, leaving remainders of 7, 6 and 4 respectively.
- ☐ (A) 24                      ☐ (B) 25  
☐ (C) 26                      ☐ (D) 27
9. Find the lowest number that is divisible by 3, 4, 5, 6, 10 and 15.
- ☐ (A) 30                      ☐ (B) 45  
☐ (C) 25                      ☐ (D) 15
10. Subtract  $-30$  from  $-70$ , you get \_\_\_\_.
- ☐ (A)  $-40$                       ☐ (B)  $-100$   
☐ (C) 40                      ☐ (D) 100
11. Find the number multiplied by 7 and then subtracted by 10 and becomes 130.
- ☐ (A) 40                      ☐ (B) 140  
☐ (C) 20                      ☐ (D) 14
12. A man divides Rs. 84,630 between his daughter and son in the ratio 3 : 4 respectively. How much does the son get?
- ☐ (A) Rs. 36,270                      ☐ (B) Rs. 38,215  
☐ (C) Rs. 48,360                      ☐ (D) Rs. 42,113
13. 12 books cost Rs. 96. What is the cost of 20 books?
- ☐ (A) Rs. 140                      ☐ (B) Rs. 150  
☐ (C) Rs. 160                      ☐ (D) Rs. 170
14. Liani bought 72 kg of rice for Rs. 324. How many kilograms of rice could she buy if she had spent only Rs. 144?
- ☐ (A) 25 kg                      ☐ (B) 32 kg  
☐ (C) 40 kg                      ☐ (D) 45 kg
15. Each child in a family has at least 2 brothers and 1 sister. What is the least number of children in the family?
- ☐ (A) 3                      ☐ (B) 4  
☐ (C) 5                      ☐ (D) 6
16. 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

17. 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
18. 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 36<sup>th</sup> floor to the 96<sup>th</sup> floor?
- ☐ (A) 70 seconds ☐ (B) 80 seconds
- ☐ (C) 90 seconds ☐ (D) 100 seconds
19. 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
20. 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
21.  $0.838383\dots$  is equal to:
- ☐ (A)  $0.8\overline{3}$  ☐ (B)  $0.\overline{83}$
- ☐ (C)  $0.\overline{8}3$  ☐ (D)  $08.\overline{3}$
22. 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
23. 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
24. Siami 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

25. Solve  $441.709 \div 18.14$
- |                                    |                                    |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> (A) 23.56 | <input type="checkbox"/> (B) 24.26 |
| <input type="checkbox"/> (C) 24.35 | <input type="checkbox"/> (D) 25.35 |
26. 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?
- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> (A) Rs. 2.50 | <input type="checkbox"/> (B) Rs. 3.45 |
| <input type="checkbox"/> (C) Rs. 4    | <input type="checkbox"/> (D) Rs. 4.35 |
27. What should be added to 3.189 to get 7.5?
- |                                    |                                    |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> (A) 4.311 | <input type="checkbox"/> (B) 3.745 |
| <input type="checkbox"/> (C) 4.321 | <input type="checkbox"/> (D) 5.2   |
28. Simplify  $2^7 \div 2^3$
- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> (A) 1        | <input type="checkbox"/> (B) $2^4$    |
| <input type="checkbox"/> (C) $2^{10}$ | <input type="checkbox"/> (D) $2^{21}$ |
29. 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:
- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> (A) 13m | <input type="checkbox"/> (B) 15m |
| <input type="checkbox"/> (C) 14m | <input type="checkbox"/> (D) 16m |
30. Convert one day into second.
- |                                         |                                        |
|-----------------------------------------|----------------------------------------|
| <input type="checkbox"/> (A) 86,400 sec | <input type="checkbox"/> (B) 3,600 sec |
| <input type="checkbox"/> (C) 26,000 sec | <input type="checkbox"/> (D) 3,200 sec |
31. I think of a number x, add 15 to it and divide the result by 3, then I get 7. What is x?
- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> (A) 4 | <input type="checkbox"/> (B) 5 |
| <input type="checkbox"/> (C) 6 | <input type="checkbox"/> (D) 7 |
32. A number is multiplied by 3 and 7 is taken away from the product to get the answer 17. What is the number?
- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> (A) 5 | <input type="checkbox"/> (B) 6 |
| <input type="checkbox"/> (C) 7 | <input type="checkbox"/> (D) 8 |
33. 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?
- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> (A) 3 hours | <input type="checkbox"/> (B) 4 hours |
| <input type="checkbox"/> (C) 5 hours | <input type="checkbox"/> (D) 6 hours |

34. 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
35. 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.?
- ☐ (A) 50 km/h                      ☐ (B) 55 km/h  
☐ (C) 60 km/h                      ☐ (D) 65 km/h
36. 90 litres of salt solution contains 50% salt. How much water should be added to make it a 30 % solution of salt?
- ☐ (A) 40 litres                      ☐ (B) 50 litres  
☐ (C) 60 litres                      ☐ (D) 65 litres
37. There are 30 flowers in a bouquet. 18 are roses and the remaining are orchids. What is the ratio of orchids to roses?
- ☐ (A) 3 : 2                      ☐ (B) 2 : 3  
☐ (C) 3 : 5                      ☐ (D) 5 : 7
38. Dina, Liana and Puia shared an amount of Rs. 240 in the ratio 5 : 3 : 8. How much did Puia get?
- ☐ (A) Rs. 120                      ☐ (B) Rs. 75  
☐ (C) Rs. 45                      ☐ (D) Rs. 90
39. If 5 cats can catch 5 rats in 5 minutes, how many rats can be caught by 100 cats in 100 minutes?
- ☐ (A) 100 rats                      ☐ (B) 200 rats  
☐ (C) 1000 rats                      ☐ (D) 2000 rats
40. 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
41. 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%

42. If the cost price is Rs. 200 and the selling price is Rs. 230. What is the profit percent?
- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> (A) 15% | <input type="checkbox"/> (B) 13% |
| <input type="checkbox"/> (C) 23% | <input type="checkbox"/> (D) 30% |
43. In how many years will a sum of money double itself at 10% simple interest?
- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> (A) 12 years | <input type="checkbox"/> (B) 10 years |
| <input type="checkbox"/> (C) 8 years  | <input type="checkbox"/> (D) 6 years  |
44. 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?
- |                                       |                                         |
|---------------------------------------|-----------------------------------------|
| <input type="checkbox"/> (A) 10% loss | <input type="checkbox"/> (B) 10% profit |
| <input type="checkbox"/> (C) 1% loss  | <input type="checkbox"/> (D) 1% profit  |
45. 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?
- |                                        |                                        |
|----------------------------------------|----------------------------------------|
| <input type="checkbox"/> (A) Rs. 4,000 | <input type="checkbox"/> (B) Rs. 3,950 |
| <input type="checkbox"/> (C) Rs. 3,600 | <input type="checkbox"/> (D) Rs. 3,500 |
46. The distance covered by a wheel with radius 7 cm in 200 revolutions is:
- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> (A) 140 cm | <input type="checkbox"/> (B) 280 cm |
| <input type="checkbox"/> (C) 440 cm | <input type="checkbox"/> (D) 88 m   |
47. How many times a boy has to run around a field 83 m long and 33 m wide in order to cover 812 m?
- |                                        |                                      |
|----------------------------------------|--------------------------------------|
| <input type="checkbox"/> (A) 3.5 times | <input type="checkbox"/> (B) 4 times |
| <input type="checkbox"/> (C) 5 times   | <input type="checkbox"/> (D) 6 times |
48. A lawn is 80 m long and 60 m wide. There is a swimming pool of length 20 m  $\times$  6 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?
- |                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> (A) Rs. 50,000   | <input type="checkbox"/> (B) Rs. 1,40,400 |
| <input type="checkbox"/> (C) Rs. 1,50,000 | <input type="checkbox"/> (D) Rs. 24,580   |
49. 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 cm  $\times$  12.5 cm  $\times$  9 cm?
- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> (A) 5000 | <input type="checkbox"/> (B) 6000 |
| <input type="checkbox"/> (C) 7000 | <input type="checkbox"/> (D) 8000 |
50. A classroom is 10 m long, 6.4 m wide and 5 m high. If each students be given 1.6 m<sup>2</sup> of the floor area, how many cubic meters of air would each student get?
- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> (A) 6 | <input type="checkbox"/> (B) 7 |
| <input type="checkbox"/> (C) 8 | <input type="checkbox"/> (D) 9 |

### (BASIC COMPUTER KNOWLEDGE)

51. The first computers were programmed using -  
☐ (A) assembly language ☐ (B) machine language  
☐ (C) source code ☐ (D) object code
52. Magnetic Tape can serves as –  
☐ (A) input device ☐ (B) secondary storage device  
☐ (C) output device ☐ (D) outsourcing device
53. The digital computer was developed primarily in -  
☐ (A) USA ☐ (B) UK  
☐ (C) Russia ☐ (D) Germany
54. 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
55. 1 byte is equal to:  
☐ (A) 4 bits ☐ (B) 5 bits  
☐ (C) 6 bits ☐ (D) 8 bits
56. You organised files by storing them in -  
☐ (A) archives ☐ (B) folders  
☐ (C) indexes ☐ (D) lists
57. ALU is -  
☐ (A) Arithmetic Logic Unit ☐ (B) Array Logic Unit  
☐ (C) Application Logic Unit ☐ (D) None of these
58. RAM is an example of -  
☐ (A) Secondary memory ☐ (B) Primary Memory  
☐ (C) Main memory ☐ (D) Both (A) and (B)
59. The CPU and memory are located on the -  
☐ (A) motherboard ☐ (B) expansion board  
☐ (C) storage device ☐ (D) output device

60. All of the following are examples of real security and privacy risks except -
- |                                      |                                             |
|--------------------------------------|---------------------------------------------|
| <input type="checkbox"/> (A) hackers | <input type="checkbox"/> (B) Spam           |
| <input type="checkbox"/> (C) viruses | <input type="checkbox"/> (D) identity theft |
61. Which is called supervisor of computer activity?
- |                                         |                                               |
|-----------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> (A) Memory     | <input type="checkbox"/> (B) Operating System |
| <input type="checkbox"/> (C) I/O device | <input type="checkbox"/> (D) Control Unit     |
62. Which is the first program run on a computer when the computer boots up?
- |                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> (A) System software  | <input type="checkbox"/> (B) Operating system |
| <input type="checkbox"/> (C) System operation | <input type="checkbox"/> (D) System tray      |
63. My Computer was introduced from -
- |                                          |                                           |
|------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> (A) Windows 3.1 | <input type="checkbox"/> (B) Windows 3.11 |
| <input type="checkbox"/> (C) Windows 95  | <input type="checkbox"/> (D) Windows 98   |
64. Which of the following Windows does not have Start button?
- |                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> (A) Windows Vista | <input type="checkbox"/> (B) Windows 7  |
| <input type="checkbox"/> (C) Windows 8     | <input type="checkbox"/> (D) Windows 10 |
65. Which of the following is not a multitasking operating system?
- |                                    |                                      |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> (A) DOS   | <input type="checkbox"/> (B) Windows |
| <input type="checkbox"/> (C) Linux | <input type="checkbox"/> (D) Win NT  |
66. A user-interface that is easy to use is considered to be -
- |                                            |                                          |
|--------------------------------------------|------------------------------------------|
| <input type="checkbox"/> (A) User happy    | <input type="checkbox"/> (B) User simple |
| <input type="checkbox"/> (C) User friendly | <input type="checkbox"/> (D) User defect |
67. Which of the following is a drop down list?
- |                                        |                                           |
|----------------------------------------|-------------------------------------------|
| <input type="checkbox"/> (A) List      | <input type="checkbox"/> (B) Combo box    |
| <input type="checkbox"/> (C) Text area | <input type="checkbox"/> (D) all of these |
68. By default, on which page the header or the footer is printed in MS Word?
- |                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> (A) On first page     | <input type="checkbox"/> (B) On every page |
| <input type="checkbox"/> (C) On alternate page | <input type="checkbox"/> (D) On last page  |
69. Which of these toolbars in MS Word allows changing of Fonts and their sizes?
- |                                         |                                                  |
|-----------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> (A) Standard   | <input type="checkbox"/> (B) Print Preview       |
| <input type="checkbox"/> (C) Formatting | <input type="checkbox"/> (D) Bullets & Numbering |

70. The function of Ctrl + Z in Ms Word is -  
☐ (A) Print command ☐ (B) Save  
☐ (C) Minimize ☐ (D) Undo
71. Which option in file pull-down menu is used to close a file in MS Word?  
☐ (A) New ☐ (B) Close  
☐ (C) Window ☐ (D) Exit
72. Which of the following is not a font style?  
☐ (A) Bold ☐ (B) Regular  
☐ (C) Superscript ☐ (D) Italics
73. 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
74. 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
75. 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
76. In Excel, B7:B9 indicates:  
☐ (A) cell B7 and cell B9 ☐ (B) cell B7 to cell B9  
☐ (C) cell B8 only ☐ (D) cell B9 only
77. You can enter which types of data into Excel cells?  
☐ (A) Labels, values and formulas ☐ (B) Labels and values but not formulas  
☐ (C) Values and formulas only ☐ (D) Values and formulas but not labels
78. To drag a selected range of data to another worksheet in the same workbook in a spreadsheet, use the -  
☐ (A) Tab key ☐ (B) Shift key  
☐ (C) Control key ☐ (D) Alt key

79. Status indicators in Excel are located in the -  
☐ (A) Vertical scroll bar ☐ (B) Horizontal scroll bar  
☐ (C) Formula bar ☐ (D) Formatting tool bar
80. The Name box on to the left of formula bar in Excel shows the name of -  
☐ (A) workbook currently working on  
☐ (B) worksheet currently working on  
☐ (C) cell or range currently working on  
☐ (D) None of these
81. You can edit existing Excel data by pressing the -  
☐ (A) F1 key ☐ (B) F2 key  
☐ (C) F3 key ☐ (D) F4 key
82. 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
83. HTML stands for-  
☐ (A) Hyper Text Making Links ☐ (B) Hyper Text Markup Language  
☐ (C) Hyper Text Mixture of Links ☐ (D) Hyper Text Marking Language
84. 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
85. Buying and selling of goods over the internet is called -  
☐ (A) e-commerce ☐ (B) cyber-selling  
☐ (C) cyber-marketing ☐ (D) e-dealing
86. HUB is a \_\_\_\_\_ device.  
☐ (A) Unicast ☐ (B) Multicast  
☐ (C) Broadcast ☐ (D) None of these
87. 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

88. Sending a file from one computer's primary memory or disk to another computer is called-
- |                                         |                                          |
|-----------------------------------------|------------------------------------------|
| <input type="checkbox"/> (A) uploading  | <input type="checkbox"/> (B) hanging on  |
| <input type="checkbox"/> (C) logging on | <input type="checkbox"/> (D) downloading |
89. Software which allows user to view a webpage is called \_\_\_\_:
- |                                               |                                          |
|-----------------------------------------------|------------------------------------------|
| <input type="checkbox"/> (A) Operating system | <input type="checkbox"/> (B) Interpreter |
| <input type="checkbox"/> (C) Browsers         | <input type="checkbox"/> (D) website     |
90. Computer which stores different web pages is called \_\_\_\_.
- |                                               |                                            |
|-----------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> (A) web server       | <input type="checkbox"/> (B) web browser   |
| <input type="checkbox"/> (C) service provider | <input type="checkbox"/> (D) none of these |
91. Which of the following is a domain name suffix?
- |                                   |                                            |
|-----------------------------------|--------------------------------------------|
| <input type="checkbox"/> (A) .com | <input type="checkbox"/> (B) .net          |
| <input type="checkbox"/> (B) .web | <input type="checkbox"/> (D) none of these |
92. 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        |
93. 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 |
94. 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 |
95. An inbox is where you can find -
- |                                             |                                           |
|---------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> (A) sent e-mail    | <input type="checkbox"/> (B) new e-mail   |
| <input type="checkbox"/> (C) deleted e-mail | <input type="checkbox"/> (D) every e-mail |
96. Which of the following describes software that is created and distributed for malicious purposes?
- |                                       |                                           |
|---------------------------------------|-------------------------------------------|
| <input type="checkbox"/> (A) Freeware | <input type="checkbox"/> (B) Vaporware    |
| <input type="checkbox"/> (C) Malware  | <input type="checkbox"/> (D) All of these |

97. In order to edit a chart in a PowerPoint slide, you can -
- |                                                       |                                                     |
|-------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> (A) triple click the chart   | <input type="checkbox"/> (B) double click the chart |
| <input type="checkbox"/> (C) click and drag the chart | <input type="checkbox"/> (D) click the chart        |
98. During a slide show in PowerPoint, pressing the Esc key -
- |                                                      |                                                          |
|------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> (A) displays the last slide | <input type="checkbox"/> (B) displays the first slide    |
| <input type="checkbox"/> (C) ends the slide show     | <input type="checkbox"/> (D) displays the previous slide |
99. Which of the following sections do not exists in a slide layout in PowerPoint?
- |                                     |                                         |
|-------------------------------------|-----------------------------------------|
| <input type="checkbox"/> (A) Titles | <input type="checkbox"/> (B) Lists      |
| <input type="checkbox"/> (C) Charts | <input type="checkbox"/> (D) Animations |
100. Which of the following is a default page set up orientation for slides in PowerPoint?
- |                                       |                                         |
|---------------------------------------|-----------------------------------------|
| <input type="checkbox"/> (A) Vertical | <input type="checkbox"/> (B) Landscape  |
| <input type="checkbox"/> (C) Portrait | <input type="checkbox"/> (D) Horizontal |

~~~o0o~~~

**GOVERNMENT OF MIZORAM  
EXCISE AND NARCOTICS DEPARTMENT  
EXAMINATION FOR RECRUITMENT TO THE POST OF CONSTABLE - 2025**

Roll No. \_\_\_\_\_

Invigilator Signature \_\_\_\_\_

**Full Mark: 200 marks**

**Time allowed: 3 hours**

**PAPER – II**

*[ All questions are multiple choice questions. Each question carry 2 marks. ]*  
**[ Attempt all questions. ]**

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

**( SIMPLE ARITHMETIC – 100 MARKS )**

1. A number which is not divisible by 2 is called a/an \_\_\_\_\_ number.

☐ (A) even

☐ (B) prime

☐ (C) odd

☐ (D) co-prime

2. Which is the smallest prime number?

☐ (A) 1

☐ (B) 2

☐ (C) 3

☐ (D) 5

3. Convert 0.525 into vulgar fraction.

☐ (A)  $\frac{525}{1000}$

☐ (B)  $\frac{525}{100}$

☐ (C)  $\frac{21}{50}$

☐ (D)  $\frac{21}{40}$

4. Solve:  $521 + 52.1 + 5.21$

☐ (A) 57831

☐ (B) 5783.1

☐ (C) 578.31

☐ (D) 57.831

5. Divide 29.4 by 4.2

☐ (A) 4

☐ (B) 5

☐ (C) 6

☐ (D) 7

6. The sum of the first four prime numbers is \_\_\_\_\_.

☐ (A) 17

☐ (B) 16

☐ (C) 13

☐ (D) 11

7. Put the following fraction in ascending order:  $\frac{5}{7}, \frac{7}{8}, \frac{9}{11}$

☐ (A)  $\frac{5}{7}, \frac{7}{8}, \frac{9}{11}$

☐ (B)  $\frac{7}{8}, \frac{5}{7}, \frac{9}{11}$

☐ (C)  $\frac{9}{11}, \frac{7}{8}, \frac{5}{7}$

☐ (D)  $\frac{5}{7}, \frac{9}{11}, \frac{7}{8}$

8. What is half of  $\frac{1}{5th}$  of 100?

☐ (A) 10

☐ (B) 15

☐ (C) 20

☐ (D) 25

9. In the number 5789563, which is the number at the thousands place?

☐ (A) 5

☐ (B) 6

☐ (C) 9

☐ (D) 8

10. 25 more than a number  $x$  is 75, what is  $x$  ?

☐ (A) 25

☐ (B) 50

☐ (C) 45

☐ (D) 100

11. Simplify:  $7 \times 3 - 4 + 60 \div 10$

☐ (A) 23

☐ (B) 11

☐ (C) 17

☐ (D) 22

12. Find the average of all factors of 24.

☐ (A) 6

☐ (B) 7

☐ (C) 7.5

☐ (D) 8

13. Which of the following numbers is a perfect square?
- ☐ (A) 236 ☐ (B) 1579
- ☐ (C) 2317 ☐ (D) 729
14. What is the average of the first five multiples of 4?
- ☐ (A) 8 ☐ (B) 12
- ☐ (C) 16 ☐ (D) 20
15. Which of the following ratio is the smallest?
- ☐ (A) 20 : 5 ☐ (B) 5 : 1
- ☐ (C) 1 : 5 ☐ (D) 5 : 20
16. A man bought a shirt at Rs. 1000 and sold it at Rs. 1250. What is the profit percent?
- ☐ (A) 15% ☐ (B) 20%
- ☐ (C) 25% ☐ (D) 125%
17. The difference between the squares of two consecutive numbers is 35. Find the numbers.
- ☐ (A) 15 and 16 ☐ (B) 17 and 18
- ☐ (C) 18 and 19 ☐ (D) 19 and 20
18. 11 times a number gives 132. What is the number?
- ☐ (A) 11 ☐ (B) 12
- ☐ (C) 13 ☐ (D) 14
19. Which is the ratio equivalent to 3 : 4 ?
- ☐ (A) 6 : 10 ☐ (B) 9 : 15
- ☐ (C) 12 : 16 ☐ (D) 15 : 24
20. If  $57 : x :: 51 : 85$ , find the value of x.
- ☐ (A) 81 ☐ (B) 90
- ☐ (C) 95 ☐ (D) 106
21. The angles of a triangle are in the ratio 1 : 2 : 3, then the largest angle is \_\_\_\_.
- ☐ (A)  $30^{\circ}$  ☐ (B)  $60^{\circ}$
- ☐ (C)  $90^{\circ}$  ☐ (D)  $120^{\circ}$

22. There are 45 girls and 15 boys in a class. What is the ratio of number of girls to the number of boys?
- ☐ (A) 4 : 3                      ☐ (B) 3 : 1
- ☐ (C) 2 : 1                      ☐ (D) 5 : 3
23. If one-fifth of a number decrease by 5 is 5, then the number is \_\_\_\_.
- ☐ (A) 40                      ☐ (B) 45
- ☐ (C) 55                      ☐ (D) 50
24. The HCF of two numbers is 9 and their difference is also 9. Find the numbers.
- ☐ (A) 45 and 56                      ☐ (B) 72 and 81
- ☐ (C) 47 and 56                      ☐ (D) 64 and 72
25. What number is 60% less than 80?
- ☐ (A) 48                      ☐ (B) 32
- ☐ (C) 56                      ☐ (D) 42
26. A man bought 12 oranges for Rs. 84. How many oranges could he buy with Rs. 98?
- ☐ (A) 13                      ☐ (B) 15
- ☐ (C) 14                      ☐ (D) 18
27. The average height of 30 girls out of 40 students is 160 cm and that of the remaining students is 156 cm. Find the average height of the whole student.
- ☐ (A) 159 cm                      ☐ (B) 158 cm
- ☐ (C) 157 cm                      ☐ (D) 158.5 cm
28. Convert the speed of 10 m/sec into km/h.
- ☐ (A) 24 km/h                      ☐ (B) 28 km/h
- ☐ (C) 32 km/h                      ☐ (D) 36 km/h
29. A man covers 60 km in 5 hours. Find his speed in km/h.
- ☐ (A) 15 km/h                      ☐ (B) 14 km/h
- ☐ (C) 13 km/h                      ☐ (D) 12 km/h
30. If the cost price of 12 pencils is Rs. 24. Find the cost price of 1 pencil.
- ☐ (A) Re. 1                      ☐ (B) Rs. 4
- ☐ (C) Rs. 3                      ☐ (D) Rs. 2

31. A father is three times as old as his son. After 10 years, the father will be twice as old as his son. Find the present age of the son.
- ☐ (A) 9 years                      ☐ (B) 10 years  
☐ (C) 11 years                      ☐ (D) 12 years
32. In what time will Rs. 500 amounts to Rs. 600 at 5% per annum in simple interest?
- ☐ (A) 3 years                      ☐ (B) 4 years  
☐ (C) 5 years                      ☐ (D) 6 years
33. At what rate percent per annum simple interest will a sum of money double itself in 5 years?
- ☐ (A) 10%                      ☐ (B) 15%  
☐ (C) 20 %                      ☐ (D) 25%
34. Ten men can finish construction of a wall in eight days. How many men are needed to finish the work in one day?
- ☐ (A) 60                      ☐ (B) 70  
☐ (C) 80                      ☐ (D) 90
35. Find the amount of Rs. 1000 in 2 years at 10% per annum compound interest.
- ☐ (A) Rs. 1210                      ☐ (B) Rs. 1200  
☐ (C) Rs. 1080                      ☐ (D) Rs. 1250
36. The area of a rectangular field is  $2800 \text{ m}^2$ . Its length is 70 m. Find its breadth.
- ☐ (A) 30 m                      ☐ (B) 36 m  
☐ (C) 40 m                      ☐ (D) 54 m
37. The circumference of a circle is 264 cm. Find its area.
- ☐ (A)  $2100 \text{ m}^2$                       ☐ (B)  $3600 \text{ m}^2$   
☐ (C)  $5000 \text{ m}^2$                       ☐ (D)  $5544 \text{ m}^2$
38. What will be the marked price if the selling price is Rs. 792 on a 10% discount?
- ☐ (A) Rs. 850                      ☐ (B) Rs. 860  
☐ (C) Rs. 870                      ☐ (D) Rs. 880
39. If 16% of 40% of a number is 8, find the number.
- ☐ (A) 125                      ☐ (B) 150  
☐ (C) 200                      ☐ (D) 225

40.  $\frac{2}{3}$  of an estate is Rs. 44000. What is  $\frac{3}{11}$  of the estate?
- ☐ (A) Rs. 15000                      ☐ (B) Rs. 17000  
☐ (C) Rs. 18000                      ☐ (D) Rs. 19000
41. If 6 men working 8 hours a day earn Rs. 840 per week, then how much 9 men working 6 hours a day will earn per week?
- ☐ (A) Rs. 850                      ☐ (B) Rs. 945  
☐ (C) Rs. 1250                      ☐ (D) Rs. 1300
42. Find the number nearest to 56586 which is exactly divisible by 552.
- ☐ (A) 56386                      ☐ (B) 56658  
☐ (C) 56856                      ☐ (D) 56926
43. At an election, a candidate secures 35% of total votes and is defeated by the other candidate by a margin of 450 votes. Find the total number of votes.
- ☐ (A) 1350                      ☐ (B) 1400  
☐ (C) 1450                      ☐ (D) 1500
44. By selling a shoe for Rs. 858, Liana gains 10%. Find his gain or loss percent if he sells it at Rs. 819.
- ☐ (A) 5% gain                      ☐ (B) 5% loss  
☐ (C) 6% gain                      ☐ (D) 6% loss
45. Sanga and Mawia entered into business partnership. Sanga invests Rs. 1000 for 8 months and Mawia invests Rs. 1200 for 7 months. If they received a profit of Rs.4100 after one year, find the profit of Sanga.
- ☐ (A) Rs. 2000                      ☐ (B) Rs. 2100  
☐ (C) Rs. 2500                      ☐ (D) Rs. 3500
46. The day before yesterday is three days after Saturday. What day is it today?
- ☐ (A) Saturday                      ☐ (B) Thursday  
☐ (C) Tuesday                      ☐ (D) Monday
47. A bus takes an 8 hours journey. It covers the first half of the distance at 40 km/h and the second half at 60 km/h. Find the total length of the journey.
- ☐ (A) 370 km                      ☐ (B) 384 km  
☐ (C) 392 km                      ☐ (D) 400 km

48. Zuala's monthly income is Rs. 1400. What should be his average monthly expenditure so as to save Rs. 7200 in a year.
- ☐ (A) Rs. 900                      ☐ (B) Rs. 800
- ☐ (C) Rs. 750                      ☐ (D) Rs. 700
49. A room is 30 m long and 18 m wide. If a carpet whose width is 2 m with Rs. 35 per meter is spread to cover the floor, what will be the total cost?
- ☐ (A) Rs. 18900                      ☐ (B) Rs. 14500
- ☐ (C) Rs. 9450                      ☐ (D) Rs. 6500
50. If the length of a rectangle is increased by 40% and the breadth increased by 20%. Find the percentage change in the area.
- ☐ (A) 35%                      ☐ (B) 55%
- ☐ (C) 65%                      ☐ (D) 68%

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**( BASIC COMPUTER KNOWLEDGE – 100 MARKS )**

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51. The term 'Computer' is derived from \_\_\_\_\_ word.
- ☐ (A) Greek                      ☐ (B) Latin
- ☐ (C) Arabic                      ☐ (D) Roman
52. Which of the following can be regarded as the brain of a computer?
- ☐ (A) ALU                      ☐ (B) CPU
- ☐ (C) Memory                      ☐ (D) Control Unit
53. Which of the following handles arithmetic and logical operations in computer?
- ☐ (A) ALU                      ☐ (B) MIRC
- ☐ (C) CAD                      ☐ (D) VGA
54. Which of the following is a storage device?
- ☐ (A) Tape                      ☐ (B) Hard Disk
- ☐ (C) Floppy Disk                      ☐ (D) All of these
55. The speed of processor chip is measured in \_\_\_\_\_.
- ☐ (A) Mbps                      ☐ (B) MHz
- ☐ (C) Bit/sec                      ☐ (D) Byte/sec

56. In the unit of memory measurement, 1 GB is equal to \_\_\_\_\_.  
☐ (A) 1000 KB                      ☐ (B) 1024 KB  
☐ (C) 1000 MB                      ☐ (D) 1024 MB
57. A piece of programming code inserted into another program to cause damage is \_\_\_\_\_.  
☐ (A) Malware                      ☐ (B) Virus  
☐ (C) Spam                      ☐ (D) Viral
58. What does the Ctrl + V shortcut key do?  
☐ (A) Copy                      ☐ (B) Paste  
☐ (C) Undo                      ☐ (D) Save
59. What is the shortcut key to lock the desktop?  
☐ (A) Windows + K                      ☐ (B) Windows + L  
☐ (C) Windows + M                      ☐ (D) Windows + N
60. Which of the followings is not a secondary memory?  
☐ (A) CD                      ☐ (B) Pendrive  
☐ (C) RAM                      ☐ (D) USB drives
61. Which of the following is the fastest memory?  
☐ (A) Hard disk                      ☐ (B) CD-ROM  
☐ (C) Cache memory                      ☐ (D) Static RAM
62. Which of the following is designed to control the operations of a computer?  
☐ (A) The user                      ☐ (B) Application software  
☐ (C) Utility software                      ☐ (D) System software
63. Which of the followings is not a type of computer on the basis of operation?  
☐ (A) Digital                      ☐ (B) Hybrid  
☐ (C) Remote                      ☐ (D) Analog
64. A printer that prints one line at a time and has a predefined set of characters is \_\_\_\_\_.  
☐ (A) Laser                      ☐ (B) Inkjet  
☐ (C) Impact                      ☐ (D) Drum

65. While browsing the internet, which key is used for full screen view?
- ☐ (A) F5 ☐ (B) F11
- ☐ (C) F9 ☐ (D) All of these
66. A \_\_\_\_\_ is a set of instructions which is prepared to perform a specific assignment if executed by a computer.
- ☐ (A) Browser ☐ (B) Internet
- ☐ (C) Code ☐ (D) Program
67. Multiprogramming is mainly accomplished by \_\_\_\_\_.
- ☐ (A) software ☐ (B) hardware
- ☐ (C) browser ☐ (D) operating system
68. A set of overlapping divisions in the main memory are called \_\_\_\_\_.
- ☐ (A) Divisions ☐ (B) Partitions
- ☐ (C) Blocks ☐ (D) Modules
69. For real time operating system, interrupt latency should be \_\_\_\_\_.
- ☐ (A) minimal ☐ (B) maximum
- ☐ (C) zero ☐ (D) None of these
70. The operating system keeps a small table containing information about all open files called \_\_\_\_\_.
- ☐ (A) File table ☐ (B) Directory table
- ☐ (C) System table ☐ (D) Open-file table
71. Under which menu is the Thesaurus located in MS Word?
- ☐ (A) Layout ☐ (B) Home
- ☐ (C) Review ☐ (D) View
72. To add a character slightly below the normal line of text in MS Word, choose \_\_\_\_.
- ☐ (A) Italics ☐ (B) Superscript
- ☐ (C) Subscript ☐ (D) Strikethrough
73. In MS Word, which is used under the Insert menu to create Venn diagrams?
- ☐ (A) Table ☐ (B) Shapes
- ☐ (C) SmartArt ☐ (D) Chart

74. Which shortcut is used to insert a line break in a Word document?
- ☐ (A) Ctrl + T ☐ (B) Shift + Enter
- ☐ (C) Ctrl + Alt ☐ (D) Ctrl + Shift
75. Which feature in MS Word helps to create a list in a Words document?
- ☐ (A) Word Art ☐ (B) Bullets and Numbering
- ☐ (C) Bookmarks ☐ (D) Word Wrap
76. Which of the followings best describes the MS Word software?
- ☐ (A) A firmware ☐ (B) A word processor
- ☐ (C) GUI-based operating system ☐ (D) A system software
77. How many types of page orientation are there in MS Word?
- ☐ (A) Three ☐ (B) Four
- ☐ (C) One ☐ (D) Two
78. In MS Word, what provides references to something in a document and appears at the bottom of the page?
- ☐ (A) Footnote ☐ (B) Endnote
- ☐ (C) Bottomnote ☐ (D) Footer
79. Background colour applied on a document in MS Word is not visible in \_\_\_\_\_.
- ☐ (A) Web layout view ☐ (B) Print layout view
- ☐ (C) Print preview ☐ (D) Reading view
80. Which feature in MS Excel is used to print column headings repeatedly on each page?
- ☐ (A) Print Orientation ☐ (B) Print Title
- ☐ (C) Set Print Area ☐ (D) Set Margins
81. Which of the followings is not a valid function in MS Excel?
- ☐ (A) SUM() ☐ (B) SUBTRACT()
- ☐ (C) COUNT() ☐ (D) COUNTA()
82. \_\_\_\_\_ in an Excel always begins with an equal to sign (=).
- ☐ (A) Numbers ☐ (B) Text
- ☐ (C) Columns ☐ (D) Formulae

83. What is the shortcut key for Cut in an Excel?
- ☐ (A) Ctrl + C ☐ (B) Ctrl + X
- ☐ (C) Alt + P ☐ (D) Ctrl + W
84. In Excel, what is the formula to add numbers in column D, from rows D5 to D10?
- ☐ (A) =SUM(D5:D10) ☐ (B) =SUM(D5,D10)
- ☐ (C) =ADD(D5,D10) ☐ (D) =COUNT(D5:D10)
85. A Doughnut chart in Excel is similar to \_\_\_\_\_ chart.
- ☐ (A) Pie ☐ (B) Bubble
- ☐ (C) Bar ☐ (D) Scatter
86. The intersection of a column and a row in a worksheet is called \_\_\_\_\_.
- ☐ (A) workbook ☐ (B) cell
- ☐ (C) address ☐ (D) value
87. Which among the following is basically an instant messenger?
- ☐ (A) Facebook ☐ (B) Instagram
- ☐ (C) WhatsApp ☐ (D) Twitter
88. What is Google Chrome?
- ☐ (A) Search engine ☐ (B) Website
- ☐ (C) Browser ☐ (D) Email client
89. Which of the following is not a browser?
- ☐ (A) Safari ☐ (B) Lynx
- ☐ (C) Firefox ☐ (D) Android
90. Which of the followings is the first commercial web browser?
- ☐ (A) Netscape ☐ (B) Mozilla
- ☐ (C) Mosaic ☐ (D) Internet Explorer
91. When was the internet started in India?
- ☐ (A) 15.08.1994 ☐ (B) 15.08.1995
- ☐ (C) 15.08.1996 ☐ (D) 15.08.1997

92. The address of the web page displayed on the internet is the \_\_\_\_\_.  
☐ (A) https ☐ (B) WWW  
☐ (C) URL ☐ (D) UPS
93. What is the transfer of files from your computer to the internet called?  
☐ (A) Uploading ☐ (B) Downloading  
☐ (C) JPEG ☐ (D) Dock
94. A computer virus is a \_\_\_\_\_.  
☐ (A) Malware ☐ (B) Hardware  
☐ (C) Software ☐ (D) Freeware
95. Web pages are saved in which of the following format?  
☐ (A) HTML ☐ (B) http://  
☐ (C) DOC ☐ (D) URL
96. The convenient place to store contact information for quick retrieval in an email is:  
☐ (A) address box ☐ (B) address book  
☐ (C) message box ☐ (D) message book
97. What is the email attachment size limit in Gmail?  
☐ (A) 25 MB ☐ (B) 15 MB  
☐ (C) 10 MB ☐ (D) 40 MB
98. Which of the following folders is used to store any deleted emails?  
☐ (A) Junk ☐ (B) Draft  
☐ (C) Charts ☐ (D) Trash
99. What is the file extension of MS PowerPoint presentation?  
☐ (A) doc ☐ (B) xls  
☐ (C) ppt ☐ (D) prt
100. In MS PowerPoint, Themes can be found under \_\_\_\_\_ tab.  
☐ (A) Transition ☐ (B) Insert  
☐ (C) Design ☐ (D) Animation