

**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

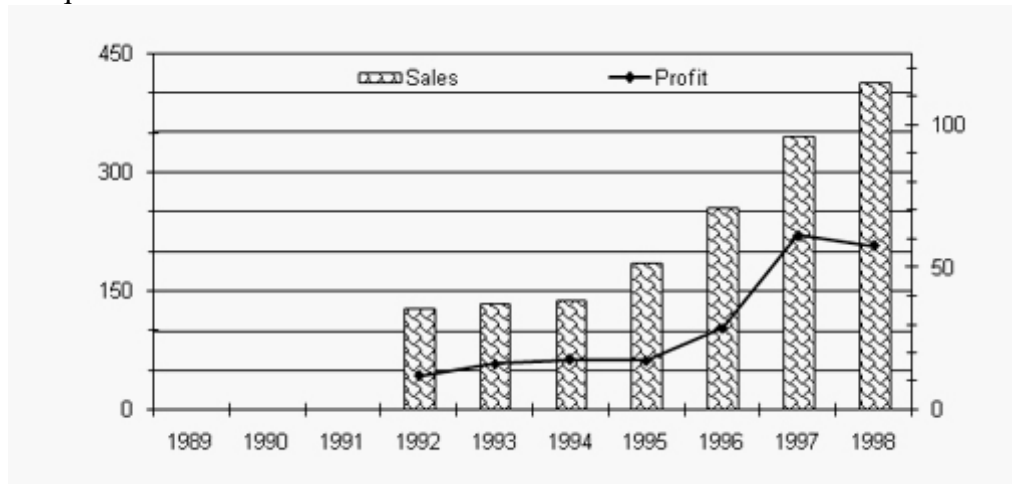
52. A fort had provision of food for 150 men for 45 days. After 10 days, 25 men left the fort. The number of days for which the remaining food will last?
- (a) 10
 - (b) 12
 - (c) 13
 - (d) 14
53. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 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° 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° . 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° and 45° 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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