

NATIONAL CYBER OLYMPIAD

The actual test paper has 50 questions. Time allowed : 60 minutes. There are 3 sections, 15 questions in section I, 15 in section II and 20 in section III.

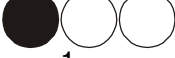
SYLLABUS

Section I (Mental ability) : Numerals and number names, Addition, Subtraction, Fractional numbers, Multiplication, Division, Time, Straight and curved lines, Calendar, Measurement of weight and capacity, Geometrical shapes, Money.

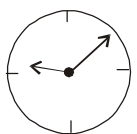
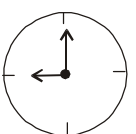
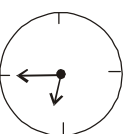
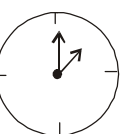
Section II (Logical and analytical reasoning) : Problems based on figures, Find odd numeral out, Series completion, Coding-decoding, Mathematical reasoning, Analytical reasoning, Mirror images, Embedded figures.

Section III (Computers and IT) : About computers (General information), Parts of computer, Input/Output/Processing devices, Hardware/Software, History of computer, LOGO (introduction), MS DOS/MS Paint.

MENTAL ABILITY

1. The fraction of unshaded part is  (A) $\frac{2}{3}$ (B) $\frac{1}{3}$ (C) $\frac{1}{2}$ (D) $\frac{3}{2}$ (E) None of these.

2. 2 Rupees equals (A) Four 50-paise (B) Five 25-paise (C) Ten 50-paise (D) Nine 25-paise (E) None of these.

3. Which of the clocks is showing the time 10 minutes past 9 ? (A)  (B)  (C)  (D)  (E) None of these.

4. The square has (A) Four equal sides (B) Two equal sides (C) Three equal sides (D) One curved edge (E) None of these.

5. In one trip a car can take 6 people. In how many trips can it take 30 people? (A) 5 trips (B) 6 trips (C) 4 trips (D) 10 trips (E) None of these.

6. Raman had 28 balloons. In a party 8 balloons were burst. How many are left with him? (A) 20 (B) 21 (C) 25 (D) 18 (E) None of these.

7. 72 has (A) 7 tens (B) 70 tens (C) 7 ones (D) 20 ones (E) None of these.

8. In which one of the following numbers, the digits cannot be rearranged to get another three digit number? (A) 400 (B) 425 (C) 968 (D) 129 (E) None of these.

LOGICAL AND ANALYTICAL REASONING





9. If \oplus means +, \ominus means -, $\overset{\circ}{\underset{\circ}{|}}$ means >, $\overset{\circ}{\underset{\circ}{\cap}}$ means <, then which of the following is not true ? (A) $2 \oplus 5 \overset{\circ}{\underset{\circ}{|}} 4$ (B) $5 \ominus 3 \overset{\circ}{\underset{\circ}{\cap}} 7$ (C) $10 \oplus 5 \overset{\circ}{\underset{\circ}{|}} 5$ (D) $4 \ominus 2 \overset{\circ}{\underset{\circ}{\cap}} 7$ (E) None of these.

10. Find the odd one out. (A) Sunday (B) January (C) Wednesday (D) Friday (E) None of these.

11. Find the alternative which will replace the question mark :
Cobbler-Shoe; Barber-Hair; Carpenter-? (A) Furniture (B) Butcher (C) Artist (D) Painting (E) None of these.

12. $2 + 3 + 16 = 10 + \square$ (A) 9 (B) 21 (C) 10 (D) 11 (E) None of these.


13. Find odd one out.

- (A)  (B)  (C)  (D)  (E) None of these.

COMPUTER AND INFORMATION TECHNOLOGY

14. Brain of computer is

- (A) CPU (B) UPC (C) PCU (D) Monitor (E) None of these.



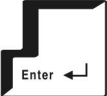

15.  represents which part of computer ?

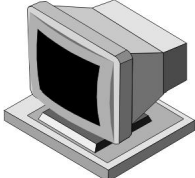
- (A) Keyboard (B) Mouse (C) CD (D) CPU (E) None of these.

16. Which of the statements about a computer is not correct?

- (A) You can watch movies on it (B) You can solve your sums on it
(C) You can play games on it (D) You can cook food with it
(E) None of these.

17. The key that erases characters towards the left is

- (A)  (B)  (C)  (D) 
(E) None of these.

18.  is also called

- (A) VDU (B) CPU (C) ALU (D) CU (E) None of these.

19. Find the odd term out.

- (A) Keyboard (B) Floppy disk (C) Monitor (D) MS-Word (E) None of these.

20. MS-Paint is a window program that is used for

- (A) Calculations (B) Writing letters
(C) Drawing purposes (D) Preparing presentations
(E) None of these.

ANSWER KEY

1. (A) 2. (A) 3. (A) 4. (A) 5. (A) 6. (A) 7. (A) 8. (A) 9. (E) 10. (B)
11. (A) 12. (D) 13. (D) 14. (A) 15. (B) 16. (D) 17. (A) 18. (A) 19. (D) 20. (C)