

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, Multiplication, Division, Time, 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.

Section – III (Computers and IT) : About computers (General information), Parts of a computer, Applications of computers, Start and shut down a computer, Keyboard, Computer mouse, Fun with paint.

MENTAL ABILITY

1. Which set of numbers will give the greatest answer?

$\overset{P}{\boxed{3 \times 3}}$	$\overset{Q}{\boxed{8 \times 2}}$	$\overset{R}{\boxed{3 \times 6}}$	$\overset{S}{\boxed{5 \times 4}}$	$\overset{T}{\boxed{7 \times 2}}$
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- (A) P (B) Q (C) R (D) S (E) T.

2. 7 groups of _____ makes 49.

- (A) 9 (B) 7 (C) 4 (D) 3 (E) 5.

3. Anu and her brother went fishing. She caught 2 more fish than her brother did. The \square represents the number of fish her brother caught. Which of the following could be used to find the number of fish Anu caught?

- (A) $\square + 2$ (B) $\square - 2$ (C) $\square \times 2$ (D) $\square \div 2$ (E) None of these.

4. I am thinking of a number. When I double the number and add 9 to the result, the answer is 29. What is the number I am thinking of ?

- (A) 38 (B) 29 (C) 18 (D) 10 (E) None of these.

5. In science class, Samir recorded the following amounts of rainfall for one 4-day period.
On what day of the week did Samir record the least amount of rainfall?

- (A) Monday (B) Tuesday
(C) Wednesday (D) Thursday
(E) None of these.

AMOUNT OF RAINFALL RECORDED

Day of Week	Amount of Rainfall
Monday	0.12 mm
Tuesday	0.02 mm
Wednesday	0.21 mm
Thursday	0.11 mm

6. Mr. Narayan is lining up his students in this order:

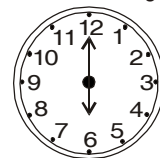
girl, girl, boy, boy, girl, girl, boy, boy girl, girl, boy, ? ?

If he continues the same pattern, what are the next two students in line?

- (A) Boy, boy (B) Boy, girl (C) Girl, boy (D) Girl, girl (E) None of these.

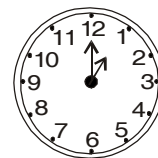
7. Mona went fishing with her dad. This clock shows the time they left in the morning.

Time they left in the morning



This clock shows the time they returned home that afternoon.

Time they returned in the afternoon



How many hours were they on their fishing trip?

- (A) 1 hour (B) 5 hours (C) 6 hours (D) 7 hours (E) None of these.

8. Which is the greatest number ?

- (A) 345 (B) 354 (C) 376 (D) 367 (E) 371.

9. There are 79 animals in the animal shelter. 27 are dogs and 31 are cats. The rest are rabbits. How many rabbits are there ?

- (A) 58 (B) 152 (C) 48 (D) 21 (E) 30.

10. Anil is an animal doctor who works at the zoo. Yesterday he weighed an elephant. Which unit of measure could be used to weigh an elephant?

- (A) Centimetres (B) Kilograms (C) Litres (D) Metres (E) None of these.

11. Monika has these tools to use in her garden. Which fraction below shows the number of shovels compared to the whole set?

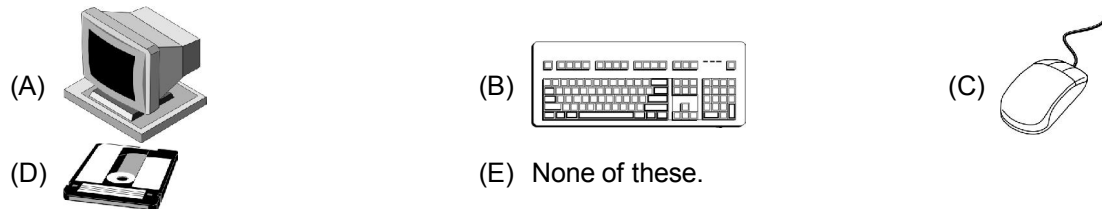
- (A) $\frac{1}{5}$ (B) $\frac{2}{3}$
 (C) $\frac{2}{5}$ (D) $\frac{5}{2}$ (E) None of these.



COMPUTER

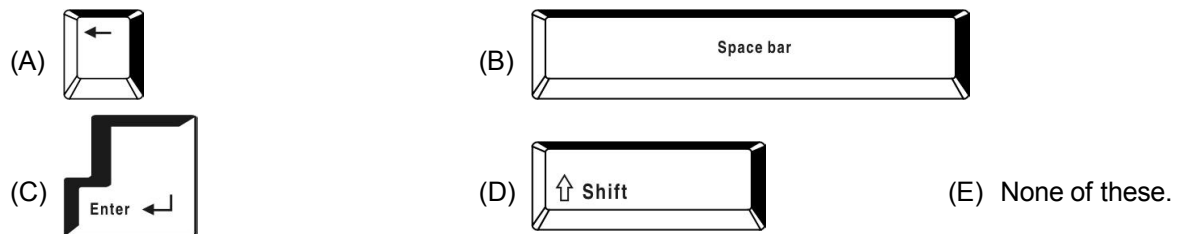
12. CD-ROM stands for
 (A) Central processing unit (B) CD-remote open mouse
 (C) CD-resize or minimize (D) CD-read only memory (E) None of these.

13. The device which is used to store information



14. CPU is called *the brain of the computer*. What does CPU stands for ?
 (A) Conrol Processing Unit (B) Calculations Processing Unit
 (C) Central Processing Unit (D) Computer Processing Unit (E) None of these.

15. This is the key which is used to give space after words, alphabets or numbers. If pressed once, it gives the space of one character. It is



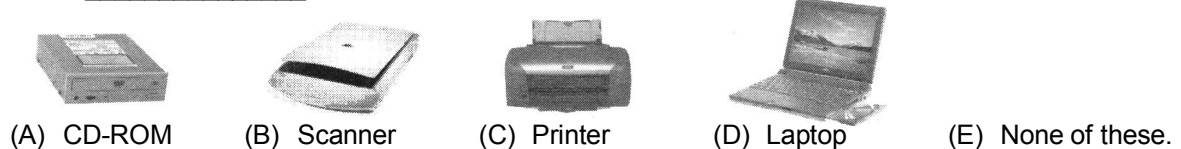
16. A blinking symbol on the screen that shows where the next character will appear is
 (A) Delete key (B) Arrow key (C) Cursor (D) Return key (E) None of these.

17. The computer monitor is which type of device ?
 (A) Output (B) Input (C) Processor (D) Software (E) None of these.

18. Leela wants to send an electronic message to her friend. She should use which type of application ?
 (A) Word processing (B) E-mail
 (C) Spreadsheet (D) Paper and pencil (E) None of these.

19. A keyboard is which kind of device ?
 (A) Block (B) Input (C) Output (D) Word processing (E) None of these.

20. A light weight & compact machine, capable of doing everything which a desktop computer can do, is called _____.



ANSWERS

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