

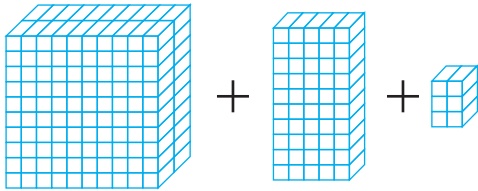
# National Cyber Olympiad

## Practice Test Paper

Choose the correct answer out of the four options given below each question. Mark your choice in the answer sheet given at the end of this Test Paper.

### Mental Ability

1. If  $\square = 10$ , then what is the total of the following cubes?

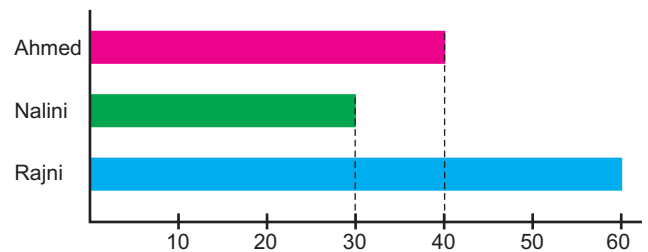


- a. 2560                      b. 1560  
c. 4340                      d. 256
2. The sum of all the factors of 15 is
- a. 8                              b. 15  
c. 9                              d. 24
3. The face value of 3 in the number 38157 is
- a. 30,000                      b. 300  
c. 3000                        d. 3
4. What is the product of  $25.50 \times 80$  ?
- a. 1800                        b. 2700  
c. 2040                        d. 2400
5. How many 3-digit numbers can be formed by using the digits 3, 4, and 0 ?
- a. 6                              b. 8  
c. 4                              d. 12
6. How many rectangles should be shaded to make it represent the fraction  $\frac{3}{4}$  in the following figure.



- a. 15                              b. 12  
c. 13                              d. 8

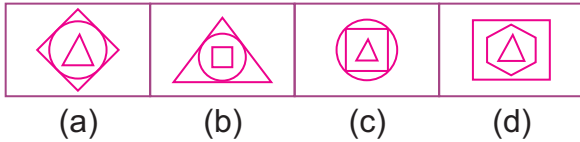
7. The following chart shows the marks obtained by Ahmed, Nalini and Rajni in the class test. Study the chart and decide which of the statements given below the chart are incorrect?



- a. Ahmed scored  $\frac{2}{3}$ rd the number of marks scored by Rajni  
b. Rajni scored twice the number of marks scored by Nalini  
c. Nalini scored  $\frac{1}{2}$  the number of marks scored by Ahmed  
d. Nalini scored 30 marks less than Rajni
8. Count and write how many rectangles are there in the following figure?
- 
- a. 18                              b. 19  
c. 13                              d. 17
9. Which of the following comparison is correct?
- a.  $\frac{1}{2} > \frac{2}{3} > \frac{3}{4} > \frac{4}{5}$                       b.  $\frac{3}{4} > \frac{4}{5} > \frac{2}{3} > \frac{1}{2}$   
c.  $\frac{4}{5} > \frac{3}{4} > \frac{2}{3} > \frac{1}{2}$                       d.  $\frac{2}{3} > \frac{4}{5} > \frac{1}{2} > \frac{3}{4}$
10. Which combination of coins will make up Rs. 40?
- a. 6 five rupees coins and 3 two rupees coins  
b. 3 ten rupees coins and 5 two rupees coins  
c. 6 five rupees coins, 1 ten rupees coin and 3 two rupees coins  
d. None of these

**Logical and Analytical Reasoning**

11. Circle the figure which is different from the other three figures.



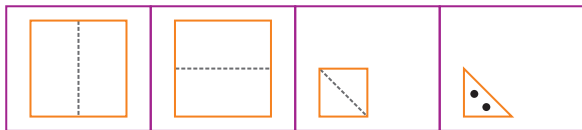
12. If in a code language 'Grass is green' is written as 'tee min hun', and 'Grass is fresh' is written as 'tee min phew', what is the code for 'Fresh'?

- a. tee
- b. min
- c. hun
- d. phew

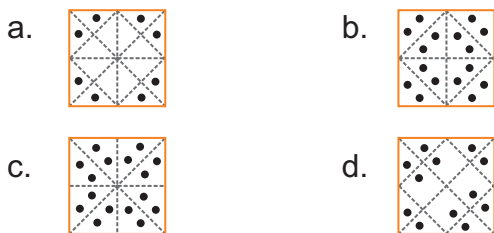
13. If 3415 = RAMP, and 14618 = MADEN then 6415 = ?

- a. RUMP
- b. MADE
- c. DAME
- d. DAMP

14. A paper is folded and punched as shown below



How will it appear when unfolded? Select the correct figure from the options given below.



15. Complete the series: 6, 17, 8, 34, 10, 51, —, —

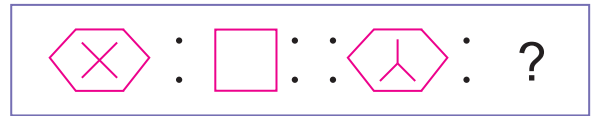
- a. 18, 72
- b. 24, 48
- c. 12, 68
- d. 14, 78

16. If + means ÷, × means −, ÷ means × and − means +, then find the value of  $9+3\div 6\times 9-61$ .

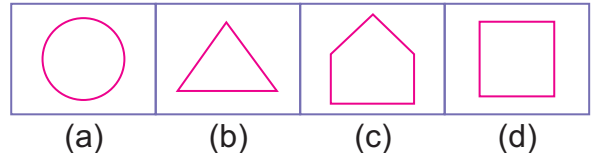
- a. 16
- b. 24
- c. 51
- d. 70

17. Tick (✓) the answer figure that will come in place of the '?' mark in the problem figures?

Problem figures:

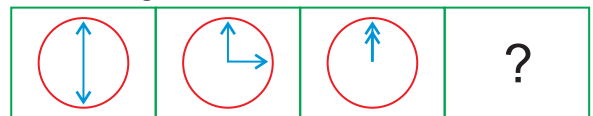


Answer figures:

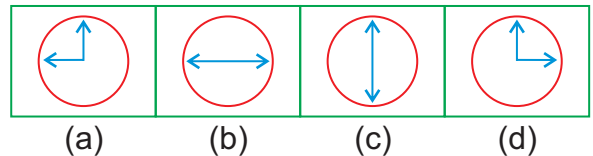


18. Tick (✓) the answer figure that should replaces the '?' mark in the problem figures, to continue the series.

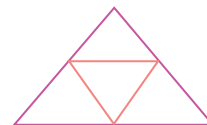
Problem figures:



Answer figures:



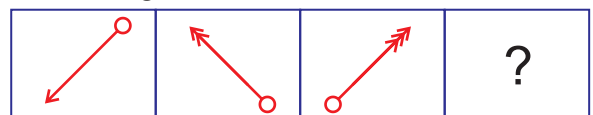
19. Count and write how many triangles are there in the following figure.



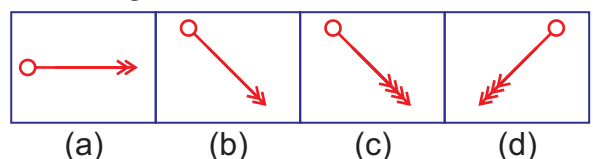
- a. 5
- b. 7
- c. 7
- d. 8

20. Tick (✓) the answer figure that should replace the '?' mark in the problem figures, to continue the series.

Problem figures:



Answer figures:



## Computers and Information Technology

**21. A program that helps you to create and edit documents is called a**

- a. Folder
- b. Spreadsheet
- c. Graphic program
- d. Word processor

**22. The word RAM is an abbreviation for**

- a. Rapid Action Memory
- b. Random Access Memory
- c. Random Action Memory
- d. Rapid Access Memory

**23. Which button on the system unit helps you to start your computer again without turning it off?**

- a. Redo button
- b. Reset button
- c. Power button
- d. None of these

**24. Which button when clicked closes a program window?**

- a. Refresh button
- b. Exit button
- c. Close button
- d. Minimize button

**25. Which of these is an output device?**

- a. CPU
- b. Mouse
- c. VDU
- d. RAM

**26. When you click at the maximize button of a window it changes into the**

- a. Resize button
- b. Restore button
- c. Refresh button
- d. Retry button

**27. The Title bar of a program window contains a button to its left. What is this button called?**

- a. Title button
- b. Compact button
- c. Toolbar button
- d. Control button

**28. Which of these is not a view of PowerPoint?**

- a. Slide Sorter View
- b. Number View
- c. Outline view
- d. Notes View

**29. A place in the computer's memory where you can organize your files, is called a**

- a. Boot
- b. Program
- c. Folder
- d. Filer

**30. Which of these is the odd one out?**

- a. Paint
- b. WordPad
- c. Notepad
- d. Keyboard

**31. The main working memory of the computer where programs and data are temporarily stored, is the**

- a. ROM
- b. Hard Disk
- c. RAM
- d. Register

**32. Which key combination when pressed will perform the paste operation in a word processor, graphic or presentation software, etc.?**

- a. Ctrl+C
- b. Ctrl+V
- c. Ctrl+X
- d. Ctrl+Z

**33. This key when pressed begins a new paragraph in a word processor program.**

- a. Print Screen key
- b. Spacebar key
- c. Caps Lock key
- d. Enter key

**34. Circle the odd one out?**

- a. 
- b. 
- c. 
- d. 

**35. Which of these operations are used for placing a piece of text onto the computer's clipboard?**

- a. Paste/New
- b. Copy/Cut
- c. Undo/Repeat
- d. List/Thumbnails

**36. Which of these is not a memory device of the computer?**

- a. Pen Drive
- b. CD-ROM
- c. Hard Disk
- d. GD-PROM

**37. Which menu of a word processor contains commands to make changes to the already typed text?**

- a. Edit Menu
- b. View Menu
- c. Tools menu
- d. File menu

**38. The abbreviation CD-ROM stands for**

- a. Compact Disk-Remote Open Memory
- b. Compact Disk-Read Only Memory
- c. Compact Disk-Resize Optional Memory
- d. Compact Disk-Rapid Optional Memory

**39. Which of these is a sound input cum output device?**

- a. Speakers
- b. Microphone
- c. VDU
- d. Headset

**40. The rightmost part of the taskbar which shows icons of the currently running programs with Date and Time is known as the**

- a. Desktop
- b. Icons
- c. Quick Launch bar
- d. System Tray

### ANSWER SHEET

Darken your choice with a HB pencil

1.	(A) (B) (C) (D)	15.	(A) (B) (C) (D)	29.	(A) (B) (C) (D)
2.	(A) (B) (C) (D)	16.	(A) (B) (C) (D)	30.	(A) (B) (C) (D)
3.	(A) (B) (C) (D)	17.	(A) (B) (C) (D)	31.	(A) (B) (C) (D)
4.	(A) (B) (C) (D)	18.	(A) (B) (C) (D)	32.	(A) (B) (C) (D)
5.	(A) (B) (C) (D)	19.	(A) (B) (C) (D)	33.	(A) (B) (C) (D)
6.	(A) (B) (C) (D)	20.	(A) (B) (C) (D)	34.	(A) (B) (C) (D)
7.	(A) (B) (C) (D)	21.	(A) (B) (C) (D)	35.	(A) (B) (C) (D)
8.	(A) (B) (C) (D)	22.	(A) (B) (C) (D)	36.	(A) (B) (C) (D)
9.	(A) (B) (C) (D)	23.	(A) (B) (C) (D)	37.	(A) (B) (C) (D)
10.	(A) (B) (C) (D)	24.	(A) (B) (C) (D)	38.	(A) (B) (C) (D)
11.	(A) (B) (C) (D)	25.	(A) (B) (C) (D)	39.	(A) (B) (C) (D)
12.	(A) (B) (C) (D)	26.	(A) (B) (C) (D)	40.	(A) (B) (C) (D)
13.	(A) (B) (C) (D)	27.	(A) (B) (C) (D)		
14.	(A) (B) (C) (D)	28.	(A) (B) (C) (D)		