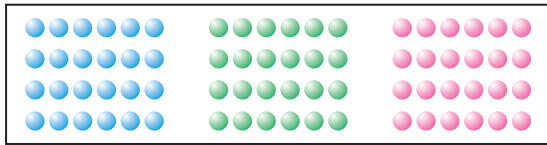


National Cyber Olympiad Practice Test Paper

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. Which expression gives the total number of marbles in the following figure.



- a. $6 \times 3 \times (2+1)$ b. $4 \times 3(3+2)$
 c. $6 \times 4 \times (2+1)$ d. $4 \times 6 \times 2$

2. What should come in the to make the following statement correct?

$$\frac{5}{6} = \frac{\square}{36}$$

- a. 3 b. 30
 c. 12 d. 25

3. Tick (✓) the number that will come next in the following series.

12, 17, 25, 30, 38, 43, ---?

- a. 53 b. 57
 c. 48 d. 51

4. In a long jump competition, Jaya jumped $3\frac{5}{6}$ metres and Joulie jumped $4\frac{1}{12}$ metres.

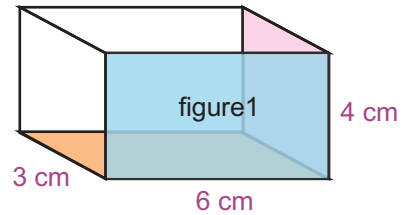
Who jumped farther and by how much?

- a. Jaya, 0.5 m b. Jaya, 0.25 m
 c. Joulie, 0.5 m d. Joulie, 0.25 m

5. Tick (✓) the group that shows the prime factorization of the number 104.

- a. $2 \times 2 \times 26$ b. $2 \times 2 \times 2 \times 13$
 c. $3 \times 4 \times 26$ d. $2 \times 4 \times 13$

6. What is the combined coloured rectangles shown on the cuboid given in figure1.

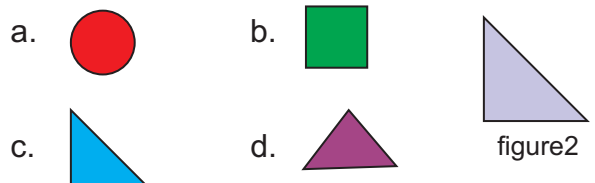


- a. 12cm b. 24cm
 c. 32cm d. 28cm

7. A rope having a length of 2.5 metres is divided into 5 equal parts. What is the length of each of its part?

- a. 1.0 m b. 0.5 m
 c. 0.8 m d. 0.3 m

8. Which shape is congruent to the coloured shape shown in figure2.



9. Rani is packing laddoos. If 24 laddoos can be packed into one box how many boxes will be required to pack 624 laddoos?

- a. 26 b. 13
 c. 28 d. 24

10. Tick (✓) the number that will come next in the following series.

3, 7, 16, 35, 74, 153, ---

- a. 291 b. 312
 c. 248 d. 251

Computers and Information Technology

21. Which of these is the smallest unit of memory?

- a. Bit
- b. Nibble
- c. Byte
- d. MB

22. Which of these devices can be used to input data into the computer by using the touch of your fingers?

- a. Webcam
- b. Trackball
- c. Touch screen
- d. Light pen

23. What do you call a computer which works on continuously variable data such as electric voltages?

- a. Digital computer
- b. Hybrid computer
- c. Analog computer
- d. Embedded computer

24. Tick (✓) the person who invented the tabulating machine.

- a. Charles Babbage
- b. Herman Hollerith
- c. John Napier
- d. Von Neumann

25. The Internet is a system of

- a. Interconnected Computer Networks
- b. Related Software Packages
- c. Search Engines
- d. Very large number of E-mail servers

26. Which of these is an input device which is used for reading information from the bar codes?

- a. Joystick
- b. Mouse
- c. Bar Code Reader
- d. Web Camera

27. Circle the odd one out.

- a. LCD Monitor
- b. TFT Monitor
- c. VDU Monitor
- d. CRT Monitor



28. Which of these is not a system software?

- a. MS Paint
- b. MS Windows
- c. UNIX
- d. Linux

29. Which of these computer memory is also known as the volatile memory?

- a. ROM
- b. Hard Disk
- c. RAM
- d. Flash Drive

30. Which of these has no role to play in the processing of data?

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





31. 1024 MB of memory space is equal to

- a. 1 GB
- b. 1 Nibble
- c. 1 TB
- d. 1 KB

32. What kind of a software is QBasic?

- a. Application software
- b. Utility software
- c. Development software
- d. System software

33. Tick (✓) the container where you would write a processing statement in a flowchart?

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

34. What action will the operating system perform when you press the Ctrl+S keys?

- a. Close the file
- b. Open the file
- c. Create a duplicate file
- d. Save the file

35. The Figure1 given below shows a

- a. LAN
- b. WAN
- c. MAN
- d. Non of these

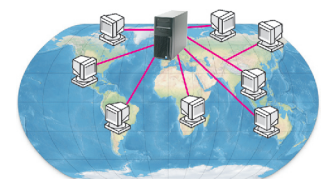


Figure1

36. Which option of the Edit menu (suppose you are working in a word processor program) can you use to cancel the previous action?

- a. New
- b. Repeat
- c. Cancel
- d. Undo

37. The button shown as encircled in the picture below allows us to change the colour of the text. The name of this button is



- a. Font Shading button
- b. Font Color button
- c. Font Design button
- d. Font Refresh button

38. Which button on the formatting toolbar did Ranjan use to change the style of the words 'Let us Go for a Picnic' to 'Let us Go for a Picnic' while working in MS Word.

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

39. Circle the odd one out

- a. Mouse
- b. Scanner
- c. Cursor
- d. Joystick

40. Which of these is a correct cell address in MS Excel?

- a. 6A
- b. ABC12
- c. 2AB
- d. AB7

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)		