



**UNIFIED CYBER OLYMPIAD**

**CLASS - 3**  
**Question Paper Code : 3P104**

**KEY**

1. C	2. A	3. B	4. A	5. B	6. B	7. D	8. D	9. A	10. B
11. C	12. A	13. C	14. C	15. C	16. D	17. A	18. C	19. B	20. A
21. B	22. B	23. D	24. B	25. D	26. C	27. C	28. A	29. C	30. B
31. B	32. A	33. A	34. C	35. C	36. C	37. C	38. B	39. C	40. B
41. A	42. B	43. D	44. B	45. D	46. A	47. A	48. C	49. C	50. C

**SOLUTIONS**

**MENTAL ABILITY**

01. (C) R is the lightest one.
02. (A) The 6<sup>th</sup> week of the calander year falls in the month of February.  
Hence, Arun was born in February.
03. (B) Largest 4 digit number = 9851  
Smallest 4 digit number = 1489  
Their difference = 8262
04. (A)
- |         |       |
|---------|-------|
| 3 6 0   | 5 0 3 |
| + 1 4 3 | - 8 7 |
| 5 0 3   | 4 1 6 |
- ∴ Joy had 416 balloons at first.

05. (B) Zara 

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 } 42  
Anu 

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- $42 \div 6 = 7$   
 $5 \times 7 = 35$   
∴ Zara bought 35 pencils
06. (B)  $72 + 28 = 100$   
 $72 - 63 = 9$   
∴ The required number is 72
07. (D)  $2ZC = BZ$   
 $2ZC + 1ZC = 3 \text{ km } 12 \text{ m}$   
 $3ZC = 3 \text{ km } 12 \text{ m}$   
 $ZC = 1 \text{ km } 4 \text{ m}$

08. (D) Time duration between 11:56 a.m. and 12:05 p.m. is 9 minutes  
 1 minute = 60 seconds  
 9 minutes =  $9 \times 60$  seconds  
 = 540 seconds

09. (A)

(i)  $135 \div 5 = 27$ ,  $135 \times 0 = 0$   
 $27 > 0$

(ii)  $792 \div 6 = 132$ ,  $10 \times 13 = 130$   
 $132 > 130$

(iii)  $4 \times 79 = 79 + 79 + 79 + 79$

(iv)  $8000 - 4095 = 3905 = 3000 + 900 + 5$   
 $\therefore$  Option (A) is a wrong statement.

10. (B) Number between 29 and 22, that is divisible by 9 is 27

$\therefore$  Sahil is 27 years old

11. (C)

12345678910111213141516171819202122232425

$\therefore$  25<sup>th</sup> digit from the right = 3

12. (A) January 1, 2024  $\rightarrow$  Monday

January 8, 2024  $\rightarrow$  Monday

January 15, 2024  $\rightarrow$  Monday

January 22, 2024  $\rightarrow$  Monday

$\therefore$  January 26, 2024 will be Friday

13. (C)  $100 \text{ mm} < 50 \text{ cm} < 2 \text{ m}$

So, ascending order is 100 mm, 50 cm, 2 m

14. (C) There are 12 parts 4 are shaded, for  $\frac{3}{4}$  of the figure 5 more squares must be shaded.

15. (C) Cost of 2 apples = ₹ 12

$\Rightarrow$  Cost of 1 apple = ₹ 6

Cost of (apple + strawberry) = ₹ 10

$\Rightarrow$  Cost of 1 strawberry =  $10 - 6 = ₹ 4$

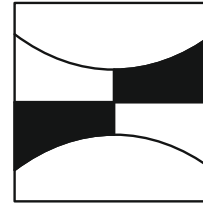
Now, cost of mango + strawberry = ₹ 16

$\Rightarrow$  Cost of mango =  $16 - 4 = ₹ 12$

## REASONING

16. (D) Shaded triangles increasing and dots in circle decreasing.

17. (A)



18. (C)



19. (B) If we combine mo & on then meaningful word moon is formed. Similarly ch & op is combined meaningful word chop is forming.

20. (A)  $\perp = Y$ ;  $\square = P$ ;  $\ast = X$ ;  $\bigcirc = Q$ ;  
 $\triangle = N$ ;  $\times = Z$

First letter represent inside lies second letter represent plane figure.

Similarly code for  is XQ

21. (B)  $4 \times 2 + 3 \times 3 = 8 + 9 = 17$

$$9 \times 4 + 10 \times 2 = 36 + 20 = 56$$

$$6 \times 20 + 1 \times 6 = 120 + 6 = 126$$

22. (B) There are 10 cubes

23. (D) Except option (D) remaining all are odd one out because they all are palindromes.

24. (B) Only F belongs to the given group. In the given group there are all letters.

25. (D) B and M

- D to J has 5 letters between them (E, F, G, H, I)
- B to M has 10 letters between them (C, D, E, F, G, H, I, J, K, L)
- F to P has 9 letters between them (G, H, I, J, K, L, M, N, O)
- K to Q has 5 letters between them (L, M, N, O, P)

Therefore, the pair with the most letters between them is B and M.

26. (C) The sequence repeated with last letter.  
i.e., Cab, Bat, Tap, Paw, Was
27. (C)  $5 \times 12 = 60$  (60 circles)
28. (A) The reversed alphabet starts with Z and ends with A. To find the letter in the 8th position from the start.
- Counting from Z : Z (1), Y (2), X (3), W (4), V (5), U (6), T (7), S (8).
29. (C) Only one big shape in the middle is linked with the other two.
30. (B) The pattern here involves the number of letters.
- AB (2 letters)  
DEF (3 letters)  
HIJK (4 letters)
- Thus, the next in series should have 5 letters starting from M, which gives MNO PQ.

### COMPUTERS

31. (B)
- (A) Input devices: Input devices are used to provide data and instructions to the computer. Examples include keyboards, mouse, touchscreens, and microphones. These devices allow users to input information into the computer for processing.
- (B) Output devices: Output devices are used to receive processed data from the computer and present it to the user in a human-readable form. Examples include monitors, printers, speakers, and headphones. These devices allow users to view or listen to the results of processing performed by the computer.
- (C) Processing devices: Processing devices, such as the CPU (Central Processing Unit), GPU (Graphics Processing Unit), and DSP (Digital Signal Processor), are components within the computer that perform calculations and execute instructions. They manipulate data according to the instructions provided by software programs.

32. (A) The initial name of Microsoft Word when it was released was Multi-Type Word.
33. (A) "RUTPONE" is the jumbled word that is not related to computers. The other options, "ONIMITR" (MONITOR), "OUMSE" (MOUSE) and "WNIDOW" (WINDOW), are all terms associated with computers.
34. (C) Computers are primarily used for data analysis and simulation in scientific experiments rather than entertainment purposes. While they may assist in the process, their primary role is not for entertainment in this context.
35. (C) The given image is used to slant or distort the image in a specified direction.
36. (C) A video call is a type of technology that allows you to communicate with someone on the computer or smartphone, seeing their face and hearing their voice in real-time.
37. (C) A hard drive is like the computer's memory where it keeps all the files and programs you use.
38. (B) The operating system shows the desktop, icons, and lets you open programs and files on the computer
39. (C) You can use a computer to look up information on the internet about animals, countries, and many other things.
40. (B) Safari is a web browser developed by Apple Inc. It is commonly used on Apple devices such as iPhones, iPads, and Mac computers. Safari is known for its sleek design, fast performance, and integration with Apple's ecosystem. It is particularly popular among users of Apple products due to its seamless synchronization across devices and its compatibility with various Apple services and features.
41. (A) If you see something on the internet that makes you feel uncomfortable or unsure, it's important to talk to an adult who can help you understand and handle the situation.

**ENGLISH**

42. (B) Fonts in Microsoft Word allow you to change how your text looks, such as making it bold, italic, or colorful.
43. (D) The toolbar in MS Paint contains tools like pencil, brush, shapes, and other options for drawing and editing your artwork.
44. (B) Escape button is not a computer mouse button.
45. (D) The given figure is found in laptops.
46. (A)
47. (A)
48. (C)
49. (C)
50. (C)

=====*The End*=====