



UNIFIED CYBER OLYMPIAD (UPDATED)

CLASS - 2

Question Paper Code : 30119

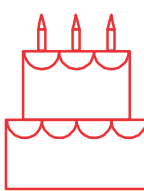
KEY

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

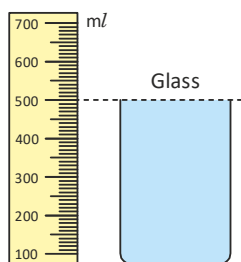
SOLUTIONS

MENTAL ABILITY

01. (B) $12 \times 2 = 24$; $6 \times 4 = 24$
02. (D) $1000 + 1000 = 2000$ (200 tens)
03. (B) First, take away the 2 extra cars:
 $17 - 2 = 15$
Now, 15 cars are in 3 boxes. Divide them equally : $15 \div 3 = 5$
04. (D) $654 < 564 \rightarrow$ No, 654 is bigger.
 $203 > 302 \rightarrow$ No, 203 is smaller.
 $159 > 195 \rightarrow$ No, 159 is smaller.
 $219 > 209 \rightarrow$ Yes, 219 is bigger.

05. (A)  has no circles
06. (C) From the first scale : P is heavier than R
 $\rightarrow P > R$.
From the second scale : Q is heavier than P
 $\rightarrow Q > P$.
Combine: $Q > P > R$, so order heaviest to lightest is Q, P, R \rightarrow Option (C).
07. (A) $9 \text{ cm} + 6 \text{ cm} + 3 \text{ cm} = 18 \text{ cm}$
The total length of the 3 objects is 18 cm

08. (B) $115 + 359 = 474$ (total number of marbles)
 $474 - 208 = 266$



09. (B)

10. (C) Each shell = 6, each marble = 1. Compute totals.

- (A) 2 shells + 1 marble = $2 \times 6 + 1 = 13$
 (B) 1 shell + 9 marbles = $6 + 9 = 15$
 (C) 2 shells + 4 marbles = $2 \times 6 + 4 = 16$
 (D) 1 shell + 5 marbles = $6 + 5 = 11$

11. (D) Numbers use 1, 2, 3 only
 Bigger than 10, smaller than 32
 List them : 11, 12, 13, 21, 22, 23, 31
 Count them \rightarrow 7 numbers

12. (A) When the short hand is on 4 and the long hand is on 12, it means exactly 4 o'clock.

13. (C) $2 \times \text{Rs. } 10 + 6 \times \text{Rs. } 5$
 $\text{Rs. } 20 + \text{Rs. } 30 = \text{Rs. } 50$

14. (D) 0 is the only number that doesn't affect the total when added.

15. (B) 2, 4, 8, 10, 14 are even numbers.

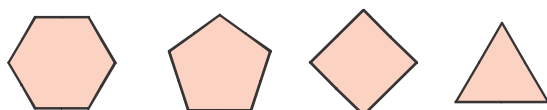
REASONING



17. (B) Fish is hidden in option (B)



18. (C) Number of sides decrease by 1 in each successive shape.



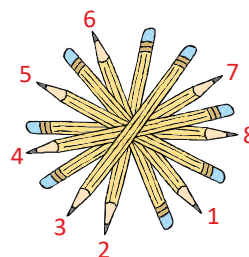
19. (A) Pattern : A - Z, B - Y, C - X (forward-backward alternation).

20. (B) Mixer, toaster, and oven are appliances used to cook or prepare food. Plate is used to serve food.



22. (C) is not hidden in question image.

23. (B) There are 8 pencils.



24. (D) Zebras have stripes, leopards have spots.

25. (D) $4 + 9 + 7 = 20$

26. (D) With 10 chairs, the seat opposite any chair is 5 places away (half of 10). Starting at 9 and moving 5 seats forward: $9 \rightarrow 10$
 $(1) \rightarrow 1 (2) \rightarrow 2 (3) \rightarrow 3 (4) \rightarrow 4 (5)$

27. (B) Twice 15 = 30 pages + 15 pages = 45

28. (B) 4 flowers have 5 petals.

29. (B) Look at the first two pairs:

1 rectangle \rightarrow 2 circles

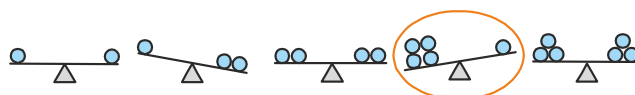
2 rectangles \rightarrow 3 circles

Each time, the number of circles is one more than the number of rectangles.


For 3 rectangles we need 4 circles.


Option (B) shows 4 overlapping circles, so the answer is (B).

30. (B)



COMPUTERS

31. (B) The mouse is an input device that helps move the pointer and select items on the screen. It's used to click, drag, and interact with computer programs.
32. (C) The Line Tool in MS Paint lets you draw perfectly straight lines with one drag. It's useful for neat and accurate drawings.
33. (D) The spacebar adds blank spaces between words while typing. It's the longest key at the bottom of the keyboard.
34. (B) If a file is clicked but nothing appears, the monitor might be off. The monitor must be on to show anything on screen.
35. (A) Heartbeat in monitor check by Doctor.
36. (C) The librarian uses a keyboard to type names or data into the computer. It lets us input letters, numbers, and commands.
37. (C) The Eraser Tool in MS Paint removes parts of your drawing. It works like a digital rubber on screen.
38. (B) 
39. (A) In Google Maps, the green mark shows the place where we start.
The red mark shows the place we want to reach.
So, the green mark means starting place.

40. (B) The CPU is the main unit that processes all tasks in a computer. It acts like the brain and controls all other parts.
41. (C) The Text Tool in MS Paint helps you type names or words directly into your drawing. It adds text to pictures.
42. (D) If the screen stays blank, the monitor might be unplugged or the cable might be loose. This stops the display from working.
43. (C) The given picture is pendrive.
44. (D)  is used to draw the given question image in MS Paint.
45. (C) Speakers play sound from the computer, like music, videos, or alerts. They are output devices for audio.

ENGLISH

46. (A) rises
47. (A) quiet
48. (C) "Tomorrow" is the correct spelling.
49. (A) Sheep
50. (C) A Hen is always female, whereas a Duck, Lamb and Calf can be either male or female.