



Unified International Cyber Olympiad

UNIFIED INTERNATIONAL CYBER OLYMPIAD (UPDATED)

CLASS - 02

Question Paper Code : 3P124

KEY

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

MENTAL ABILITY

01. (B) $80 - 25 = 55$
 $55 = 5 \text{ tens } 5 \text{ ones}$
 So each box contains 5
02. (A) $3 \text{ fours} = 12$
 $4 \text{ threes} = 12$
 So $3 \text{ fours} = 4 \text{ threes}$
03. (B) $8 + 7 = 15$
 Carry 1 ten
04. (B) $\star = 7$
 $7 \times 2 = 14$

05. (B) There are 7 days in a week.
 The two digits must add to 7
 Also, the tens digit is 3 more than the ones digit.
 Try 2 and 5:
 $2 + 5 = 7$
 5 is 3 more than 2
 So, the number is 52
06. (B)
- | | | | |
|-------|---|---|------|
| Row 1 | 8 | 2 | = 10 |
| Row 2 | 4 | 6 | = 10 |
07. (B) Adding 1 makes the number bigger.
 So, 😊 + 1 is always greater than 😊.

08. (C) Look at each pair of numbers that are next to each other. Count the pairs where the difference is 3.

Pairs with difference 3 are

(1,4), (6,9), (2,5), (7,10), (3,6), (8,11)

There are 6 such pairs.

09. (D) First part = 6 cm
Second part = 10 cm
Third part = 7 cm
 $6 \text{ cm} + 10 \text{ cm} + 7 \text{ cm} = 23 \text{ cm}$

10. (A) 1 ★ = 2 ●
2 ● = 6 ■

11. (B) Hat costs Rs. 85 → It is more than Rs. 70, so Rs. 20 discount applies.

$$85 - 20 = 65$$

Water bottle costs Rs. 66 → It is not more than Rs. 70, so no discount.

$$65 + 66 = \text{Rs. } 131$$

12. (C) The minute hand points to 9 which means 45 minutes. Only 4:45 has 45 minutes, so 4:45 is the correct answer.

13. (C) Each end number is 6 less than the start number

$$30 - 6 = 24$$

$$28 - 6 = 22$$

$$26 - 6 = 20$$

So the rule is subtract 6

14. (B) Equal sharing means division.

15. (D)

2
5

1

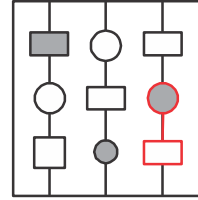
 = $2 + 5 + 1 = 8$

REASONING

16. (D) Except option (D) remaining options have alternating colours.

17. (D) There are total 14 triangles

$$14 \div 2 = 7$$



18. (C)

19. (C) The numbers increase by 3 each time.



So the missing number is 27

20. (B) The clock shows sequence with a 10 minute interval.

11:10 – 11:20 – 11:30 – 11:40 – 11:50 – 12:00

21. (D) A person is associated with the place where they study or receive treatment.

Therefore X = school and Y = patient

22. (D)

23. (C) Only option (C) follows the same relationship.

24. (B) The letters move forward by increasing steps : +2, +3, +4, +5

B, D, G, K, P

25. (B)

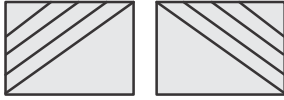
26. (D) The arrangement of beans in jars A, B and C is the same as the given jar. In jar d the beans are arranged differently.



27. (D) $2 + 2 = 4$
 $1 + 1 = 2$
 $4 + 4 = 8$
5 cannot be written as two equal whole numbers.

28. (C) $7 + 10 + 5 = 22$

29. (C) $1 + 2 + 3 + 4 + 5 = 15$



COMPUTERS

31. (B) Smart phone can take photos and edit them.
32. (B) Only 9 complete computer sets can be formed because there are only 9 CPUs and 9 mice. Microphones are not needed for typing.
33. (D) Printer is used to make a paper copy of a document.
34. (B) The accepted technological progression is desktop computer – laptop – smartphone.
35. (C) Aarav typed CATT instead of CAT. He needs to remove the extra T.
The Backspace Key removes the letter just before the cursor.
36. (C) Triangle tool is used to draw shapes with 3 sides.

37. (C) The taskbar is the long bar usually found at the bottom of the desktop. It contains important items such as the Start button, the clock, and buttons for open programs. Since the student sees all these items together in one place, that place is called the taskbar.

38. (B) The Text tool is used to type words.

39. (A) MS Paint is drawing program open on the computer.

40. (A) RPEAKSE unscrambles to SPEAKER. A speaker is mainly used to play sound.

41. (C) A mouse is used for clicking and selecting, not for printing.

42. (C) A man is using educational content to learn multiplication.

43. (B) A scanner captures documents, while a microphone captures sound.

44. (B) Main purpose of keyboard is enter letters, numbers and symbols into the computer.

45. (C) CPU stands for Central Processing Unit.

ENGLISH

46. (C)

47. (C)

48. (B)

49. (C)

50. (A)

===== The End =====