UNIFIED COUNCIL
*Foundation for Success*

UNIFIED COUNCIL OLYMPIADS

UIC
Unified International Cyber Olympiad

# UNIFIED INTERNATIONAL CYBER OLYMPIAD

***CLASS - 2***

***Question Paper Code : 3B127***

## KEY

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

## SOLUTIONS

### MENTAL ABILITY

1. **(C)** The numbers are 654, 807, 845, and 790. Since 845 is the greatest, option (C) is correct.
2. **(B)** 965 is the greatest
3. **(B)** 420 + 75 = 495
4. **(B)** 8 × 5 = 40

   2 × ? + 14 = 40

   2 × ? = 40  14 = 26

   ? = 26 ÷ 2 = 13

   Therefore, the missing number is 13.
5. **(D)** 21 books in 3 equal groups

   21 ÷ 3 = 7

   7 books in each group.
6. **(B,C)** 7 × Rs. 2 + Rs. 1 = Rs. 14 + Rs. 1 = Rs. 15

   So, 7 coins of Rs. 2 and 1 coin of Rs. 1 make Rs. 15.

   (C) : 5 × Rs. 2 + Rs. 5 = 10 + 5 = 15R
7. **(D)** From the given options, option (D) is the shortest.
8. **(C)** Option (A)  3 : 21

   Option (B)  4 : 00

   Option (C)  8 : 22

   Option (D)  3 : 30

9. **(A)** Oranges sold : 8 × 6 = 48

Oranges at first : 142 +48 = 190

Therefore, the seller had 190 oranges at first.

10. **(A)** No. of balloons Anitha need = 44

No. of balloons with Anitha = 20

44 - 20 = 24

If each packet has 4 balloons

No. of packets she has to buy = 24 ÷ 4 = 6.

11. **(C)** Length of line R is shorter than other 3 lines.

12. **(A)** ● + ● + ● = 60

20 + 20 + 20 = 60

4 × 4 = 16

10 + 10 = 20

10 + 4 = 14

13. **(C)** The mass of the flour bag is 1 kg + 1 kg + 500 g + 500 g = 3 kg.

14. **(B)** Cost of 3 napkins = ₹ 5

∴ Cost of 12 napkins = ₹ 5 × 4

= ₹ 20

15. **(D)** 81 ÷ 9 = 9

9 – 9 = 0

## REASONING

16. **(A)** 

17. **(C)** Each number is multiplied by 2 :

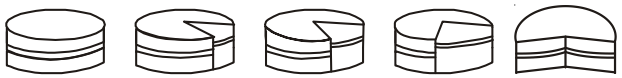
12 × 2 = 24, 24 × 2 = 48, 48 × 2 = 96

Therefore, the next number is 96.

18. **(D)** A coin is generally circular in shape. In the same way, a typical door is rectangular in shape. Hence, (D) rectangle completes the analogy.

19. **(D)** Option (D) is different from other options.

20. **(D)** Option (D) is similar to the given group.

21. **(D)** 

22. **(A)** Each successive letter is obtained by moving 3 letters backward in the alphabet. Therefore, the missing letter is Q.

23. **(A)** Turn 90° clockwise direction.

24. **(A)** Option (A) is correct where as (B), (C), (D) are curve shapes.

25. **(D)** 

26. **(A)** Shadow (A) matches the boat's complete silhouette the flag points to the right, the two sails have the correct shapes, and the open spaces around the mast and above the boat are in the correct positions. The other figures either omit or alter one of these features.

(B) Flag is missing.

(C) The sail/mast opening does not match the given boat.

(D) The right sail has a different shape/ position.

27. **(A)** There are 6 circles in the given image.

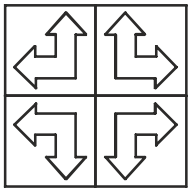
28. **(D)** The number in the centre is the sum of the four corner numbers.

First figure: 4 + 3 + 6 + 2 = 15

Second figure: 8 + 5 + 4 + 2 = 19

Third figure: 6 + 4 + 3 + 5 = 18

Add the four numbers around each square. Therefore, the missing number is 18.

29. **(D)** 

30. **(C)** 

## COMPUTERS

31. **(C)** Recycle Bin, This PC, and folders can appear as icons/items on the desktop. A keyboard is a physical input device, not a desktop item.

32. **(C)** In Windows, a normally deleted file is usually moved to the Recycle Bin, from where it can be restored or permanently deleted.

33. **(B)** There are two sets of number keys on a keyboard. One is number keys across the top row (below the function keys) and second is the rectangular keypad (usually) on the right side of many keyboards.

34. **(A)** The option (A) represents printer.

35. **(C)** CPU (Central Processing Unit) is the processing device.

36. **(C)** The Backspace key deletes the character immediately to the left of the cursor.

37. **(B)** CPU is the heart of a computer.

38. **(D)** There are 17 keys in numeric keypad section.

39. **(A)** To maintain patients record in hospitals we use computers.

40. **(B)** A computer can perform many different tasks repeatedly, quickly, and accurately without getting tired.

41. **(D)** 

42. **(A)** Monitor is an output device.

43. **(A)** A hard disk is a storage device used to save files and folders so they can be used later.

44. **(B)** Speakers are used to listen sounds in computer.

45. **(D)** A mouse can be used to click icons, drag objects, and select items. Therefore, all of these is correct.

## ENGLISH

46. **(B)** The plural of deer is also deer.

47. **(A)** Dirty means the opposite of clean.

48. **(B)** The duck ran to protect its ducklings.

49. **(B)** Yours is a possessive pronoun and correctly replaces your water bottle.

50. **(B)** The correct spelling is Butterfly.

The End