



## UNIFIED CYBER OLYMPIAD

**CLASS - 2**

**Question Paper Code : UC394**

### KEY

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

### SOLUTIONS

#### MENTAL ABILITY

01. (C) Peter = 50 meters  
Pater =  $50 + 5 = 55$  meters  
Poter =  $55 - 10 = 45$  meters  
Peter + Pater + Poter =  $50 + 55 + 45 = 150$  meters
02. (D) Option (A) : 12 elements in 4 groups is  $12 \div 3$   
Option (B) : 12 elements in 12 groups is  $12 \div 12$   
Option (C) : 12 elements in 3 groups of 4 elements is  $12 \times 3$   
Option (D) : Wrong way of grouping
03. (A) 27 pages (morning) + 15 pages (afternoon) = 42 pages  
So, John read a total of 42 pages

04. (A)

$$\begin{array}{r} 1 \\ 4 \text{ } 6 \\ + 4 \text{ } 8 \\ \hline 9 \text{ } 4 \end{array}$$

05. (A)

Using the digits 3, 0, 8

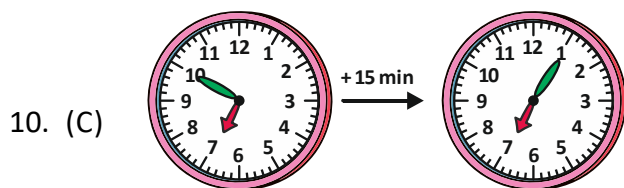
- 3 is the smallest non-zero digit, so it goes in hundreds place
- 0 is the next smallest digit, so it goes in the tens place : 30
- 8 is the largest of the three digits, so it goes in ones place : 308

So, the smallest 3-digit number using the digits 3, 0, 8 is 308

06. (B) To check the answer for  $4 + 3 = 7$  is  
 $7 - 4 = 3$  or  $7 - 3 = 4$
07. (A) Number of eggs in the basket = 50  
 Number of eggs broken = 30  
 Number of eggs left unbroken =  $50 - 30 = 20$

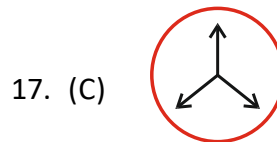
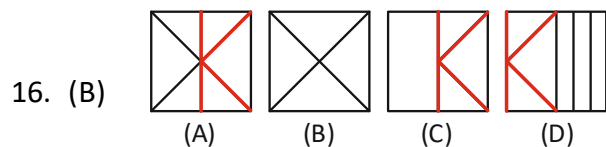


09. (C)  $5 \times 7 = 35$

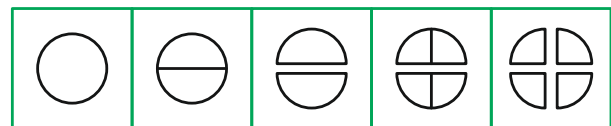


11. (D) Option (A): 450 (X)  
 Option (B): 45 (X)  
 Option (C):  $400 + 50 = 450$  (X)  
 Option (D):  $400 + 50 + 5 = 455$  (✓)
12. (D)  $145 + 55 = 200$   
 Option (D) 250 has more value than 200
13. (B)  $6 \times ₹ 70 = ₹ 420$   
 $7 \times ₹ 60 = ₹ 420$
14. (C) Number of apples = 20  
 Number of friends who shared 20 apples = 3
- $$\begin{array}{r} 3 \overline{) 20} 6 \\ \underline{- 18} \\ 2 \end{array} \rightarrow \text{Remainder}$$
- ∴ Each of the three children got 6 apples and 2 apples remained
15. (B) Mass of Rice bag + 1 kg  
 $= 1 \text{ kg} + 1 \text{ kg} + 500 \text{ g} + 500 \text{ g}$   
 Mass of rice bag  
 $= 2 \text{ kg} + 1 \text{ kg} - 1 \text{ kg}$   
 $= 2 \text{ kg}$

## REASONING



18. (B) YUMMY starts and ends with the letter Y. Similarly COMIC starts and ends with C.
19. (D) In one step, the figure gets a dividing mark or line than in the very next step it is separated and this pattern repeated alternatively.



20. (D) APPLE, BANANA, carrot, APPLE, BANANA, carrot, APPLE, BANANA, carrot, APPLE, BANANA, carrot
21. (B)
22. (D) Numerical value of A = 1, B = 2, C = 3, D = 4  
 $D - C = 4 - 3 = 1 = A$
- ∴ Therefore the required letter for the difference is A.
23. (D) Numbers at bottom are the difference of numbers at the top, therefore missing number is  $24 - 17 = 7$ .

24. (A)

1	2			
3	4	5		
6		7	8	
9			10	

25. (D) Option (C) : At 35 snake moves from number 35 to 28, thus it leads to a loss of  $35 - 28 = 7$
- Option (A) : At 11 snake moves from number 11 to 7, thus it leads to a loss of  $11 - 7 = 4$

Option (B) : At 26 snake moves from number 26 to 13, this leads to a loss of  $26 - 13 = 13$

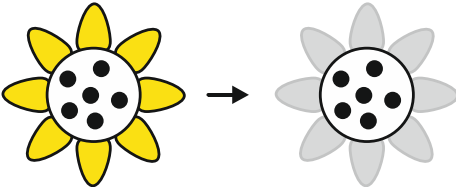
Option (D) : At 39 snake moves from number 39 to 23, thus it leads to a loss of  $39 - 23 = 16$  which is maximum. Hence, its the answer.

26. (C) In the given series the circle and shaded part is moving in anticlock-wise direction.

27. (A) Television is electronic device and other items are made of paper.

28. (A) 

29. (A) According to the given problem, letter 'E' is the 3rd letter from 'B' and 'D' is 3rd letter from 'A' Hence, the missing number is 3.

30. (C) 

### COMPUTERS

31. (C) We should not play with wires.

32. (D) A computer cannot be used for keeping food cold.

33. (D) The base of the mouse is the part that is moved across a surface, allowing you to control the movement of the cursor on the screen.

34. (A) 

P	R	I	N	T	E	R	M
Z	L	U	G	C	M	B	O
M	S	T	Q	M	C	P	U
L	J	P	W	H	G	N	S
G	H	A	U	R	K	U	E
M	O	N	I	T	O	R	T

35. (C) In supermarkets computers often used to print bills or receipts.

36. (C) Laptop is a portable computer.

37. (B) The hard drive is like a big storage box in the computer. It keeps our games, music, pictures, and other files. RAM helps the computer think quickly but doesn't store things long-term like a hard drive does.

38. (D) Except option (D) remaining all are input devices.

39. (B) In the given image the kid is playing game on computer.

40. (B) The mouse is an input device used to navigate and interact with the computer, not for listening to music. Speakers or headphones are used for listening.

41. (C) A pendrive is designed to be plugged into a USB port. Keyboards are for typing, screens are for viewing, and speakers are for hearing sounds.

42. (C) When unjumbled, "Irolsc" becomes "scroll," which is something you do with a mouse to view more of a page.

43. (D) The missing letter is 'B'.



44. (D) A computer game is a software.

45. (B) Touchpad is used in the given image.

### ENGLISH

46. (D) The jumbled letters ADCLNE can be rearranged to spell "Candle".

47. (B) The correct spelling is second.

48. (C) The sentence "Dhruv shouted, 'leave my room now !'"

49. (D) Uncle's daughter is called as a cousin.

50. (B) Both "Moon and "Spoon" have the same ending sound, which makes them rhyme.