



UNIFIED CYBER OLYMPIAD (UPDATED)

CLASS - 3
Question Paper Code : UC394

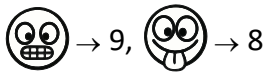
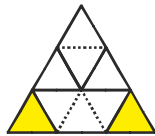
KEY

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

SOLUTIONS

MENTAL ABILITY

- (B) Number of stickers Sushanth had
 $3 \times 20 = 60$
Number of stickers Kiran had
 $= 60 \div 2 = 30$
- (C) Mass of Y + 2 units = 8 units
 \Rightarrow Mass of Y = 6 (Z)
Mass of Y + Y = 12 (Z)
Mass of X + X + X = 12 (Z)
 \Rightarrow Mass of X = 4 (Z)
Mass of X + X + Z = $4 + 4 + 2 = 10$ (Z)

- (A) $\frac{12}{6} = 2$
- (C) $9 \times 9 = 81$; $8 \times 8 = 64$; $9 \times 8 = 72$
 $\rightarrow 9$, $\rightarrow 8$
- (B)  $\frac{2}{3} = \frac{6}{9}$; $6 - 2 = 4$ parts
- (B) $\text{₹ } 100 - \text{₹ } 20 = \text{₹ } 80$
 $\text{₹ } 80 \div \text{₹ } 20 = \text{₹ } 4$
 $3 \times 4 = 12$

7. (D) $10 \text{ tens} - 7 \text{ tens} = 100 - 70 = 30$
 $1 \text{ ten} + 12 \text{ ones} = 10 + 12 = 22$
 $5 \text{ tens} - 16 \text{ ones} = 50 - 16 = 34$
 $3 \text{ tens } 5 \text{ ones} - 2 \text{ tens} = 35 - 20 = 15$
 $\therefore 3 \text{ tens } 5 \text{ ones} - 2 \text{ tens}$ gives the smallest value

8. (C) Height of the tree = $68 - 32 = 36 \text{ m}$
 Height of the boy = $36 - (27 + 8)$
 $= 36 - 35 = 1 \text{ m}$
 Therefore, the total height of the tree and boy is $36 + 1 = 37 \text{ m}$

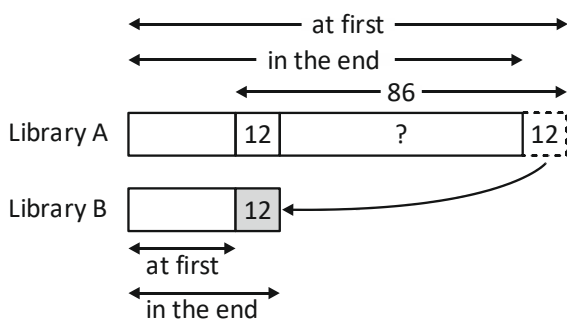
9. (C) $\bigcirc + \bigcirc + \bigcirc + \bigcirc + \triangle = 33$
 $\bigcirc + \bigcirc + \bigcirc + 12 = 33$
 So, $\bigcirc + \bigcirc + \bigcirc = 33 - 12 = 21 = 7 + 7 + 7$
 $\therefore \bigcirc = 7$

10. (A) No. of balloons in each package = 4
 No. of packages = 25
 \therefore No. of balloons = $25 \times 4 = 100$

11. (D) As the hour hand goes completely around the face of a circular clock one time, the minute hand goes completely around the face of the clock 12 times.

12. (D) $13 + (17) = 6 \times 5 = 30$
 similarly,
 $49 \div 7 = 7,$
 $17 + 19 = 36$
 $7 + 36 = 43$

13. (D) Observe the 'in the end' part in the model carefully.



$86 - 12 - 12 = 62$
 There were 62 fewer books in library B than in library A in the end.

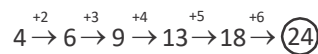
14. (A) (B) (C) (D)

15. (B) In the number 2,146, the hundreds digit is 1. When you add 500 to this number, it becomes 2,646. The hundreds digit changes from 1 to 6 due to the addition of 500. The other digits (thousands, tens, and ones) remain the same.

REASONING

16. (A)

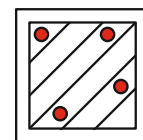
17. (C) In the given circle, the number follow a pattern in anticlockwise direction.



18. (C)

19. (A)

20. (C) Except in option (C), in all other figures the circles are equi-distant.



21. (C)

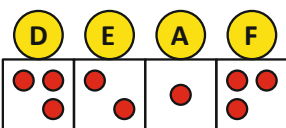
22. (A)

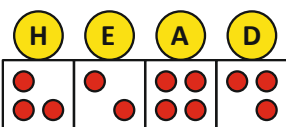
23. (B) In this coding, word is coded as number of letters it has. So, 13 could be code for DEMONSTRATION.
24. (D) Following the instructions:
Original: G R A T E F U L
Interchange: R G T A F E L U
So, the new word becomes "RGTA FELU". Hence, the correct option is D.

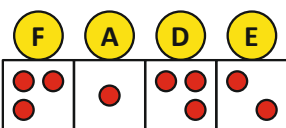
25. (A) The pattern here involves the number of letters:
AB (2 letters)
DEF (3 letters)
HIJK (4 letters)
Thus, the next in series should have 5 letters starting from M, which gives MNOPQ.

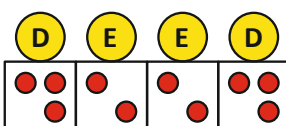
26. (A) If Ramu rolls dice 6, he will climb ladder he will be at number 12, next if he roll die 4 he will be at number 16, he will climb ladder and at the number 37, next if he roll 4 he will win the game. Totally least number 3 times he has to roll to win the game.

27. (D) 

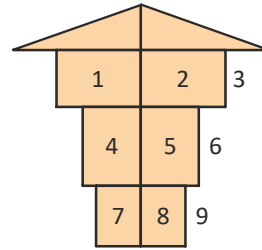
28. (D) Option (A) : 
 $3 + 2 + 1 + 3 = 9$

- Option (B) : 
 $3 + 2 + 1 + 3 = 9$

- Option (C) : 
 $3 + 2 + 1 + 3 = 9$

- Option (D) : 
 $3 + 2 + 2 + 3 = 10$



29. (C) Tuesday is the 2nd day in week. Similarly Thursday is the 4th day in week.
30. (A) 1, 2, 4, 5, 7, 8, (1 + 2), (4 + 5), (7 + 8)



There are 9 rectangles.


COMPUTERS

31. (A) QR Code, keyboard and mouse are hardware devices primarily used to enter data into a computer.

32. (A) Option (A) is the incorrect key. Key should be  or .

33. (C) In Windows 10, a new software called Paint 3D was introduced. It's like MS Paint, but it lets you make 3D pictures too! So, while MS Paint is like drawing on a piece of paper, Paint 3D is like making a sculpture you can turn around and see from all sides.

34. (C) When we want to make a picture or window bigger or smaller on the computer, we usually see a cursor that looks like a double-headed arrow.

i.e., 

35. (B) MS Paint is a drawing program that comes with Windows. It's not usually found on Linux, DOS, or MAC OS.

36. (D) Android is an open-source operating system primarily used in mobile devices. It's developed by Google and is used by various manufacturers on their phones and tablets.

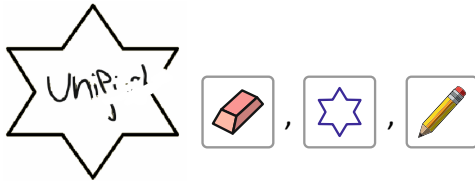
37. (C) Both (A) and (B) are used to draw the given shape.

38. (D) The number 5 is surrounded by arrow marks.



39. (D) iOS is exclusive to Apple devices like iPhones and iPads, while Android is used by multiple manufacturers, providing a wider range of device options.

40. (C) Shift key types one letter in a capital letter and makes symbols.



41. (C) are used in the given image in MS-Paint.

42. (D) Android, which is primarily used on mobile devices like phones and tablets, uses a green robot as its logo.

43. (B) A mainframe is a large and expensive computer capable to performing scientific and business applications.

44. (D) Computers can take in information (Inputting), work on that information (Processing), and even give instructions to other things (Controlling). But computers don't really "understand" things like people do. They just follow the instructions we give them!

45. (D) TABLET – which belongs to hand-held computers.

ENGLISH

46. (A) Apostrophes are used to show possession. In this case, the name belongs to the cat, so "cat's" is correct.

47. (B) "Intelligent" is a synonym for "clever." It means having a good ability to learn, understand, and solve problems.

48. (D) The correct arrangement to form a logical sentence is: "The students prepared well for the exam." The subject "The students" comes first, followed by the verb "prepared," the adverb "well," and the prepositional phrase "for the exam."

49. (B) An "atlas" is a collection of maps. People use it to see different parts of the world or specific areas in detail.

50. (B) "Author" is the correct spelling for a person who writes books, articles, or other literary pieces.

THE END
