



UNIFIED CYBER OLYMPIAD

CLASS - 5
Question Paper Code : 30109

KEY

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

SOLUTIONS

MENTAL ABILITY

01. (D) $6459965 \approx 6000000$
02. (C) The number that is both a factor & multiple of 28 is 28. The common factor of 36 & 24 is 12. Adding them gives $28 + 12 = 40$.
03. (C) Tomato = 10
Cherries = 9
Strawberry = $30 - 10 - 9 = 11$
04. (A) Total Lollipop = $45 + 3 = 48$
 $(45 + 3) \div 2$

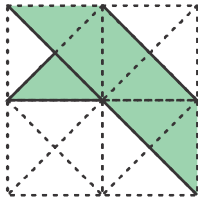
05. (D) Initially there was 120 adults and 40 childrens, as there were 8 times as many adults as children & the total was 160. After 20 adults & 15 children left. The difference is $20 - 15 = 5$, So 5 more adults than children left the party.
06. (B) Trial & Error

Tom	Dich	Harry	Sam	Total
1	1	1	1+3	7
2	2	2	2+3	11
3	3	3	3+3	15
1				
6	6	6	6+3	27

} difference between 4

07. (B) Rs. 20.10 – Rs. 10.20 = Rs. 9.9
08. (B) In 2021 i.e, in next 2 years we can write using 3 roman letters
09. (A) Divide the square into equal parts first. There are 16 equal parts, of which 7 are shaded

$$16 - 7 = 9$$



$\frac{9}{16}$ of the square is not shaded

10. (A) 9996 is the largest 4 digit number which is a multiple of 4
 $9996 + 10000 = 19996$
11. (C) Roman numeral for 1000 is M.
12. (A) The 43965817 is written in international system as 43,965,817.
13. (D) Roman numerals I, X, C are used for both addition and subtraction.
14. (C) $\frac{5}{12}, \frac{3 \times 3}{4 \times 3} = \frac{9}{12}, \frac{1 \times 6}{2 \times 6} = \frac{6}{12}$
 Decending order is $\frac{9}{12}, \frac{6}{12}, \frac{5}{12}$
 \therefore The required order is $\frac{3}{4}, \frac{1}{2}, \frac{5}{12}$
15. (B) Oranges in Box A = 5984
 Oranges in Box B = 5984 + 1250 = 7234
 Oranges removed from Box B = 2365
 \therefore Oranges left in Box B = 7234 – 2635 = 4599

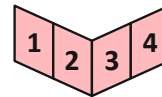
REASONING

16. (A) The game which requires ball to play is Volleyball, but Volleyball is called as Musical Chair.

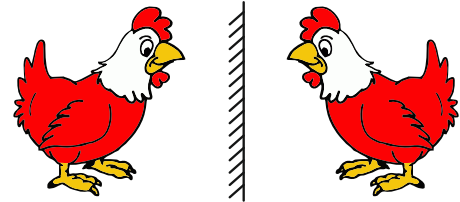
Thus for the given code, the game which requires a ball to play is Musical Chair.



17. (B)
18. (D) $(9 + 4) \times 2 = 13 \times 2 = 26$ $(9 + 16) \times 2 = 25 \times 2 = 50$ $(16 + 4) \times 2 = 20 \times 2 = 40$



19. (C)



20. (D)

21. (D) The pattern followed by (A) 2442, (B)3553, (C)5775 is, first and last numbers are same and middle two numbers are same, but in (D) 4568 this pattern is does not exist.

So, it is clear that (D) 4568 is different from the other numbers.

22. (C) Inside and outside shapes interchange their positions and the shaded region is enclosed between the two shapes.

23. (B) 1st letter: A $\xrightarrow{+3}$ D $\xrightarrow{+3}$ G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ (M)
 2nd letter: C $\xrightarrow{+3}$ F $\xrightarrow{+3}$ I $\xrightarrow{+3}$ L $\xrightarrow{+3}$ (D)



24. (B) Flask, Flock, Floor, Flower

25. (B) WONDER

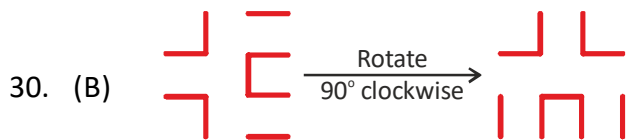
26. (B) ZYXWVUTSRQP ON MLKJIH G FEDCBA

The eighth letter to the right of 'O' is 'G'.

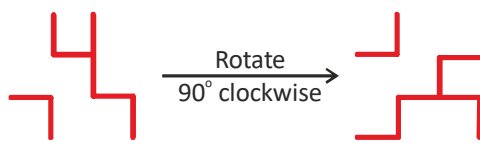
27. (C) In each of the given groups, the first and last shape are similar, 2nd and 3rd, 4th and 5th are also similar.

Hence, the missing set of figures in group 3 are  .

28. (A) In the series all the figures have the same number of sides and alternately the fills is light and white after every two steps two lines are vanished.
29. (D) In (A), (B) & (C) each square has six curved lines in it, whereas in figure (D) there are seven curved lines in square. So, clearly figure (D) is different from the others.



Similarly,



The figure given in option (B) can complete the second pair.

COMPUTERS

31. (C) Inside your computer, there is a special place where it keeps all its important information, like games, pictures, and documents. This special place is called a hard disk drive. It's like a hidden treasure chest because you can't see it from the outside of the computer. Even though you can't see it, it's working hard to store all your stuff safely. That's why the hard disk drive is the right answer.
32. (B) The file extension ".mpeg" typically denotes a video file format, specifically MPEG (Moving Picture Experts Group). MPEG files are commonly used for storing and transmitting video and audio data. Therefore, option B, " Unified Council.mpeg," is likely to be a video file. Options A, C, and D represent image file formats, namely JPEG, PNG and GIF respectively, which are used for storing static images.

33. (A) Cortana is a personal digital assistant feature in Windows 10 that provides voice commands, reminders, and search capabilities. Users can interact with Cortana using voice commands or text input to perform various tasks, such as setting reminders, searching the web, or launching applications.
34. (C) MS Paint provides users with basic geometric shapes like diamonds, triangles, and octagons for insertion into drawings. However, the option to insert a septagon shape directly is not available in the default set of shapes.
35. (C) Text wrap feature enables to surround a picture or table with text.
36. (C) Primary storage, such as RAM, is fast but relatively expensive compared to secondary storage devices like hard disk drives (HDDs) or solid-state drives (SSDs). Primary storage provides quick access to data and instructions needed by the CPU during program execution.
37. (B) Themes in presentation software such as Microsoft PowerPoint provide a quick and efficient way to change the overall appearance of a presentation, including the background, fonts, colors, and layout. When applying a theme, it automatically adjusts these elements throughout the entire presentation, ensuring consistency and visual appeal.


Option (A) Transitions is incorrect because transitions are effects applied to slide transitions, not to the overall design elements such as background, fonts, and layout.

Option (C) SmartArt Graphics is incorrect because SmartArt Graphics are visual representations used to illustrate concepts, processes, and hierarchies within slides. They are not directly related to changing background, fonts, and layout.

Option (D) AutoLayout and themes is incorrect because AutoLayout refers to predefined arrangements of placeholders for content within a slide, and it does not directly involve changing background, fonts, and layout. Themes, on the other hand, encompass these design elements and are specifically used for quick customization of presentation appearance.

38. (B) VSNL (Videsh Sanchar Nigam Limited) is the government-owned company that initiated internet services in India. VSNL played a crucial role in introducing internet connectivity to the country, enabling the growth of online communication and commerce. It served as the primary gateway for international telecommunications services, including internet connectivity, during its initial phases. Therefore, option B, "VSNL," is the correct choice.
39. (C) The image depicts a network switch. A switch is a networking device that connects multiple devices within a local area network (LAN) and forwards data packets between them. It operates at the data link layer (Layer 2) of the OSI model and uses MAC addresses to determine the destination of data packets. Switches are commonly used in Ethernet networks to improve network performance and efficiency by reducing network congestion and enabling simultaneous communication between devices.

40. (D) MS-word is a word processor which not a multimedia.
41. (B) PENCOLOR
42. (D) Google is known for its "I'm Feeling Lucky" button. When users click on this button after entering a search query, Google will automatically redirect them to the first search result, skipping the search results page. This feature is designed for users who are confident that the first search result will provide the most relevant information for their query.
43. (C) The Font drop-down menu allows you to choose different font styles for your text. This can change how the text looks to make it more attractive or easier to read.

44. (A) 

45. (B) RT

ENGLISH

46. (B)
47. (D)
48. (D)
49. (D)
50. (B)