



UNIFIED CYBER OLYMPIAD

CLASS - 4
Question Paper Code : 30109

KEY

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

SOLUTIONS

MENTAL ABILITY

01. (B) $600009 - 1 = 600008$
02. (D) 1, 2, 4, 8, 16 & 32 are factors of 32 their sum = $1 + 2 + 4 + 8 + 16 + 32 = 63$
03. (B)

<i>Right</i>	<i>Wrong</i>	
16	16	16
04. (B) C represents 100
05. (D) $1000 < 10000$
06. (A) $12 \times 611 = 7332$
07. (C) (A) $\frac{3 \times 2}{8} = \frac{6}{8} = \frac{3}{4}$
- (B) $1\frac{1}{2} - \frac{3}{4} = \frac{3}{2} - \frac{3}{4} = \frac{6-3}{4} = \frac{3}{4}$

- (C) $\frac{5 \times 3}{24} = \frac{15}{24}$
- (D) $\frac{5}{12} + \frac{1}{3} = \frac{5+4}{12} = \frac{9}{12} = \frac{3}{4}$
08. (D) $2 + 4 = 6$
09. (C) $20007 - 2007 = 18000$
 $18000 + 207 = 18207$
10. (B) $3.45 \times 10 = 34.5$
11. (D) When 7 pencil's are tranfered.
Box Q will have 9 more penecils than Box P.
12. (B) Number of flat faces = 4

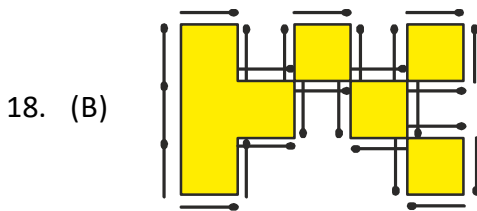
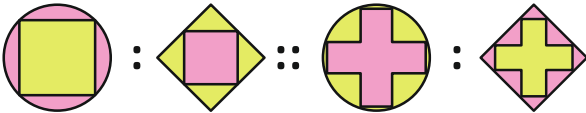
13. (A) Total number of sweets = $495 \times 6 = 2970$
 Number of remaining sweets
 = $2970 - 60 = 2910$
 $2910 \div 6 = 485$
 Each friend got 485 sweets

14. (D) 1 week = 7 days
 $3 \times 7 = 21$ days
 Aug 4 – 21 days = July 14

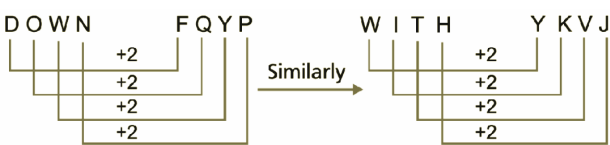
15. (C) $360 \times 5 = 1800$ min
 $1800 - 60 = 30$ hours

REASONING

16. (D) Arrow head has a curved end.
 17. (B) Outer circle change to square and inner & outer colours are exchanged.



19. (C) The letters of the word are moved two steps forward.

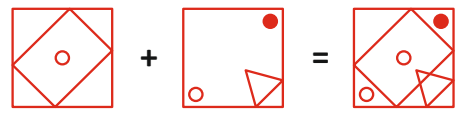


20. (C) In table, the sum at the end of 1st column is $1 + 4 + 2 = 7$
 In table, the sum at the end of 2nd column is $4 + 2 + 2 = 8$
 Similarly,
 In table, the sum at the end of 3rd column is $? + 5 + 3 = 13$
 So the missing number is 5.

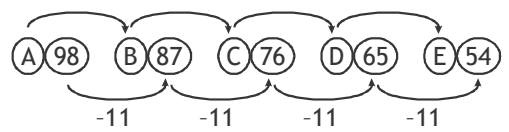
21. (D) Code for or is X, code for is Y, code for or is Z, code for is L, code for is M, code for is O and code for is N.

Hence, code for is ZM.

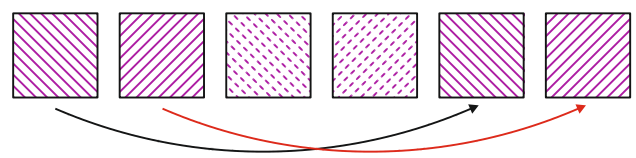
22. (B) The contents of box 1 added to the contents of box 2 equal the contents of box 3.



23. (B) The smaller figure overlaps with half of a similar figure larger in size.
 24. (B) E54 is the missing term in the given series.



25. (C) Every two successive steps form a pair of inverted shapes.



26. (D) Arranging the letters in alphabetical order we have DEIN~~ST~~Y. Clearly, N lies in the middle.
 27. (C) Shaded fill with solid line in all others but dashed in (C).
 28. (D) Each letter in the word is moved one step forward to obtain the corresponding letter of the code.



The code for VIHANG IS WJIBOH.

29. (C) A B C D E **F** G H I J K L M N O P Q R S T U
V W X Y Z

Month that starts with F is February.

30. (A) The least number of ducks is 3, as they can be arranged in a circular formation where each duck fulfills the condition of being in front of, behind & between the others

COMPUTERS

31. (D) Flip Horizontal : This operation flips the image horizontally, changing its orientation along the horizontal axis. It would result in the image shown in image Y where the left side of the image becomes the right side and vice versa.

32. (B)

- Computers are devices that we commonly use for various tasks like playing games, doing schoolwork, or browsing the internet.
- The full form of "computer" is "Commonly Operated Machine Particularly Used for Technical and Educational Research."
- This means that computers are machines that many people use, especially for tasks related to learning and solving problems.
- While computers can be used for entertainment and other purposes too, their primary function is to help with technical and educational tasks.

33. (C) These integrated circuits (IC)'s are popularly known as ic chips and are used in third generation of computer.

34. (D) You can use the keyboard shortcut Ctrl + W. Pressing these keys simultaneously will prompt the operating system to close window.

35. (D) Smart phones are used for the payment through apps like google pay.

36. (D) Supercomputers are specialized computers designed for tasks requiring immense computational power, such as weather forecasting, scientific simulations and complex mathematical calculations. They are characterized by their exceptional speed, vast processing capabilities and substantial size. Supercomputers are typically the largest and most expensive type of computer systems due to their advanced hardware components and specialized architecture optimized for high-performance computing tasks. Therefore, when referring to the fastest, biggest and most expensive computer, it is the supercomputer.

37. (C) Hardware refers to the physical components of a computer system. Let's analyze each option.

(A) RAM, Monitor, Windows 10 - Windows 10 is an operating system, which is software, not hardware.

(B) RAM, Keyboard, Games - Keyboard and Games are software or peripherals, not hardware.

(C) RAM, Monitor, CPU - RAM (Random Access Memory), Monitor, and CPU (Central Processing Unit) are all physical components of a computer system, making this the correct answer.

(D) CPU, RAM, MS Word - MS Word is an application software, not hardware.

38. (C) The correct answer is (C) Mozilla Firefox is an operating system software. This statement is incorrect because Mozilla Firefox is a web browser software, not an operating system.

39. (D) In HTTPS, the 'S' indicates that the communication between a web browser and a website is encrypted and secure.

40. (D) The hardware device most likely to be shared on a network is a printer. Printers are commonly shared on networks to allow multiple users to print documents from different computers connected to the network. This enables efficient use of resources and promotes collaboration within a networked environment. Other hardware devices like mouse, keyboard, and monitor are typically not shared on a network as they are designed for individual use and do not require network connectivity for their primary functions.
41. (C) The group you're referring to consists of desktop gadgets or widgets. These features like CPU meter, currency converter, feed headlines, and picture puzzle were traditionally associated with desktop gadgets or widgets in previous versions of Windows, such as Windows 7. These elements provided quick access to information and simple interactive features directly on the desktop. However, with the release of Windows 11, Microsoft has transitioned away from desktop gadgets or widgets as they were in earlier versions.

42. (D)



43. (D) All the options provided are instant messaging applications.
- WhatsApp is a widely used messaging app owned by Facebook, allowing users to send text messages, voice messages, images, and videos, as well as make voice and video calls.
 - Google Talk (now known as Google Hangouts) was an instant messaging service provided by Google, allowing users to send text messages, voice calls, and video calls.
 - Viber is another messaging app that offers text messaging, voice calls, and video calls, as well as group messaging and file sharing.
44. (C) Input Box
45. (D) Turtle it belongs to the graphics window, not the command window.

ENGLISH

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