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SOF NATIONAL CYBER OLYMPIAD 2023-24

CLASS 3

QUESTION PAPER SET A

25 Years of | SOF CELEBRATING | INSPIRING YOUNG MINDS
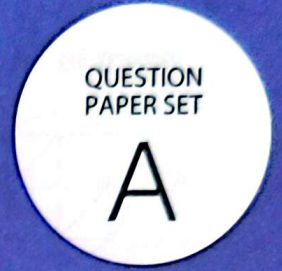
DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Total Questions: 35 | Time: 1 hr.

Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
2. Write your **Name, School Code, Class, Section, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
3. The Question Paper comprises three sections:
   Logical Reasoning (5 Questions), **Computers and Information Technology** (25 Questions) and **Achievers Section** (5 Questions).
   Each question in Achievers Section carries 2 marks, whereas all other questions carry one mark each.
4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
5. There is only ONE correct answer. Choose only ONE option for an answer.
6. To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g.
   Q.16: _____ means to hold down the left mouse button while you move the mouse pointer to a new place.
   A. Single click   B. Double click   C. Dragging   D. Left click
   As the correct answer is option C, you must darken the circle corresponding to option C on the OMR Sheet.   16. Ⓐ Ⓑ ● Ⓓ
7. Rough work should be done in the blank space provided in this booklet.
8. Return the OMR Sheet to the invigilator at the end of the exam.
9. Please fill in your personal details in the space provided before attempting the paper.
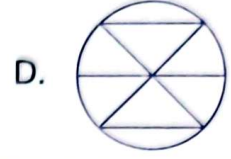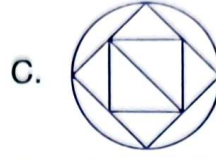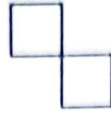
Name:...

SOF Olympiad Roll No.:.. Contact No.:..

SOF
SCIENCE OLYMPIAD FOUNDATION
Inspiring Young Minds Through Knowledge Olympiads

1. In which of the following figures, the given figure is exactly embedded as one of its parts?

   A.   B.   C.   D.

2. Select the combination of numbers from the options in which the letters are arranged accordingly to form a meaningful English word.

R	O	T	U	C
1	2	3	4	5

   A. 5, 4, 2, 1, 3   B. 2, 1, 3, 4, 5   C. 5, 2, 4, 1, 3   D. 5, 1, 4, 2, 3
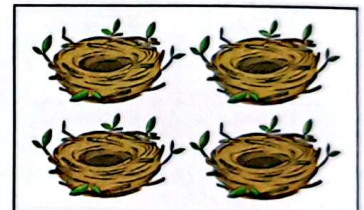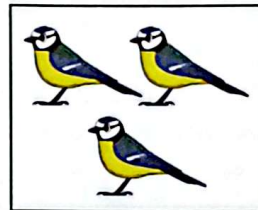
3. How many possible combinations of 1 bird and 1 nest each can be formed from the given birds and nests?
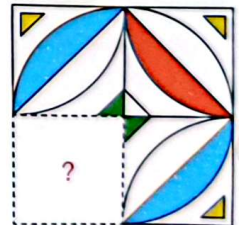
   A. 12

   B. 7

   C. 10

   D. 15

4. Which of the following figures will complete the pattern in the given figure?

   A.   B.

   C.   D.

5. Parrot _____ is fifth to the left of third parrot from the right end in the given arrangement.

   (Left) P   Q   R   S   T   U   V   W   X

   A. Q   B. W   C. R   D. V

SPACE FOR ROUGH WORK

CamScanner

6. Which of the following programs can be used to conduct online classes and meetings?

A.   B.   C.   D. All of these
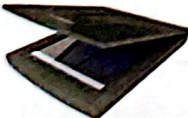
7. Identify the following type of memory:
   - It is a type of primary memory.
   - It is a volatile memory and does not store data and instructions permanently.
   - It is located on the motherboard.

A.   B.   C.   D.

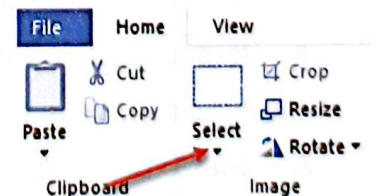8. A computer CANNOT take its own decisions, and it works only on man's orders, which means _____.

A. It has no IQ   B. It has no memory   C. It is not accurate   D. It is versatile

9. Find the odd one out with respect to input-output devices.

A.   B.   C.   D.

10. What will happen when you click on the tool pointed by the arrow in the given figure of MS-Paint of Windows 10?

A. The zoom slider selection option will get displayed.

B. The main menu of Paint will get displayed.

C. The various selection options will get displayed.

D. The print selection option will get displayed.

11. What is the function of the given tool in MS-Paint of Windows 10?

A. It is used to show or hide the Thumbnail window.

B. It is used to magnify the part of the picture.

C. It is used to select different width of a shape.

D. It is used to display the current drawing in the full screen mode.

SPACE FOR ROUGH WORK

12. Which of the following statements hold(s) true about the internet?

Statement 1 : It only supports wireless mode of communication.

Statement 2 : You can connect with the internet using various methods such as dial up, broadband, wi-fi, etc.

A. Only Statement 1
B. Only Statement 2
C. Both Statement 1 and Statement 2
D. Neither Statement 1 nor Statement 2

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13. web browser is developed by _____.

A.
B. Google
C. Microsoft
D. None of these

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14. Match the MS-Word 2016 terms given in Column-1 with their descriptions given in Column-2.

Column-1	Column-2
(a) Title bar	(1) It provides information like number of pages, words, lines, etc.
(b) Ribbon	(2) This tab contains options like Open, Save, New, Print, etc.
(c) Status bar	(3) It shows the name of the document you are working on.
(d) File tab	(4) It contains multiple tabs with several group of commands.

A. (a) – (3), (b) – (1), (c) – (4), (d) – (2)
B. (a) – (3), (b) – (4), (c) – (1), (d) – (2)
C. (a) – (2), (b) – (4), (c) – (1), (d) – (3)
D. (a) – (4), (b) – (2), (c) – (3), (d) – (1)

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15. Identify the following type of computer:

• It has huge storage capacities and computing speed.
• It is fastest and largest computer.
• It can process trillions of instructions per second.

A. Super computer
B. Mini computer
C. Laptop computer
D. All of these

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16. Which of the following statements hold(s) true regarding the given logo?

Statement 1 : It is an Internet Explorer web browser that is developed by Microsoft.

Statement 2 : It is a default web browser for all Windows 10 devices.

A. Only Statement 1
B. Only Statement 2
C. Both Statement 1 and Statement 2
D. Neither Statement 1 nor Statement 2

SPACE FOR ROUGH WORK

17. Which of the following statements is/are CORRECT regarding the use(s) of computers in schools?
    1. It can be used as a tutor.
    2. It is used for maintaining students' details.
    3. It is used for diagnosing diseases.
    A. Only 3   B. Both 1 and 2   C. Both 2 and 3   D. 1, 2 and 3

18. Which of the following is/are type(s) of non-impact printer(s)?
    (1) Laser printer   (2) Chain printer   (3) Inkjet printer
    A. Only (1)   B. Only (3)
    C. Both (2) and (3)   D. Both (1) and (3)

19. Which of the following is the CORRECT method to select your drawing in a desired shape in MS-Paint of Windows 10?
    A. Home tab → Image group → Click on Select → Click

    B. Home tab → Image group → Click on Select → Click

    C. Home tab → Clipboard group → Click on Select → Click

    D. Home tab → Image group → Click on Select → Click

20. Which of the following options can be used to search and access the information available on World Wide Web (WWW)?

    (1)   (2)   (3)   (4)

    A. Only (1)   B. Only (3)   C. Both (1) and (2)   D. Both (1) and (4)

21. Which of the following jumbled words is NOT related to the characteristics of a computer?
    A. RACUACTE   B. RGEATSO   C. TIVELERSA   D. TOMNONOY

22. Which of the following devices contains a Cathode Ray Tube (CRT)?

    A.   B.   C.   D.

SPACE FOR ROUGH WORK

23. A wireless mouse _____ .

    A. Needs to be connected with the computer with a USB cable

    B. Requires shorter cable than wired mouse

    C. Makes it easy to control the cursor without wired connection

    D. Both A and B

24. Select the INCORRECT match.

    A.   – Used to attend online class.

    B.   PayPal – Used to browse the internet.

    C.   – Used to save and access document online.

    D.   – Used to show real time traffic update.

25. Which command removes the text from the document and places it in the Clipboard in MS-Word 2016?

    A.   B.   C.   D.

26. Unscramble the letters of the given options and select the one which represents an input device.

    A. ERKAPES   B. ORTEJCROP   C. ORTNIOM   D. NERASCN

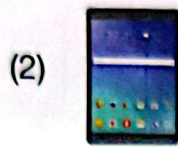27. Which of the following is an example of a browser software?

    A.   B. **yahoo!**   C.   D. Google

28. Which of the following does NOT come under the shapes group of Home tab in MS-Paint of Windows 10?

    A.   B.   C.   D.

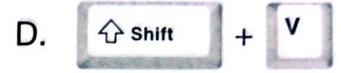SPACE FOR ROUGH WORK

29. Which of the following types of computers does NOT allow you to play video games on it?

(1)   (2)   (3)   (4)

A. Both (1) and (2)
B. Both (3) and (4)
C. (1), (2), (3) and (4)
D. None of these

30. Which of the following shortcut keys is used, if you want to paste a copied content in MS-Word 2016?

A. Ctrl + X
B. Ctrl + P
C. Ctrl + V
D. Shift + V

ACHIEVERS SECTION

31. Which of the following operations has been applied on Image-1 to convert it into Image-2 in MS-Paint of Windows 10?

A. Resize and skew
B. Rotate 180°
C. Flip horizontal
D. Flip vertical

Image-1   Image-2

32. Which of the following is hidden in the given word grid?

A. An input device used to enter words.

B. An output device used to print data on a sheet of paper.

C. An input device used while playing games.

D. An output device used to listen to music.

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

3. Which of the following statements hold(s) true about the given storage device?

Statement 1 : It permanently stores data and it is located within CPU cabinet.

Statement 2 : It is a rigid magnetic disk.

A. Only Statement 1
B. Only Statement 2
C. Both Statement 1 and Statement 2
D. Neither Statement 1 nor Statement 2

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34. Select the INCORRECT statement(s).

   (1) Joystick is a pointing output device like a mouse.

   (2) Touchscreen allows users to interact and provide input to the device by using their fingers.

   (3) Projector is an output device, that can take images generated by computer and display them on a large screen or big wall.

   A. Only (1)   B. Only (2)   C. Both (1) and (3)   D. Both (2) and (3)

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35. Riya has performed the following operations in MS-Word 2016:

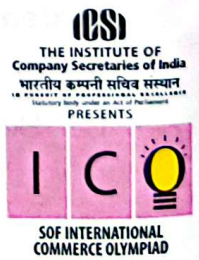   **Step 1 :** Typed a word 'Environment'.

   Step 2 : Then she selected last four letters of the word.

   Step 3 : Clicked on ✂ icon.

   What would be displayed on the screen?

   A. Environ   B. Environme   C. Environment   D. Envir

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