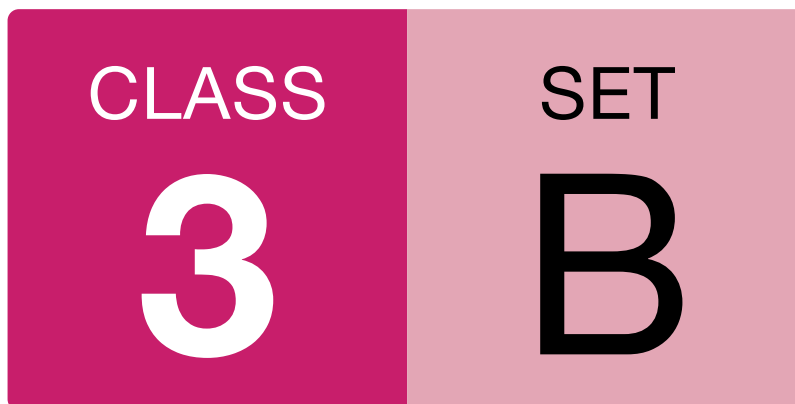




Total Questions : 35

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 four sections:

Logical Reasoning (5 Questions), **Computer Science** (20 Questions), **Information Technology** (5 Questions) and **Achievers Section** (5 Questions).

Each question in Achievers Section carries 2 marks, whereas all other questions carry 1 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. (A) (B) (C) (D)

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.



DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Name:.....

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

LOGICAL REASONING

- 1 Teapot _____ is third to the left of third teapot from the right end.



(Left)

- A. Z B. H C. S D. L

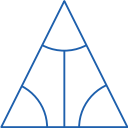
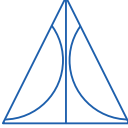
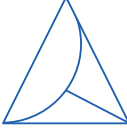
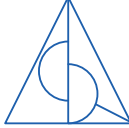
- 2 How many groups of 3 scissors each can be formed from the given scissors?



- A. 4 B. 6 C. 3 D. 5

- 3 In which of the following options, the given figure is exactly embedded as one of its parts?



- A.  B.  C.  D. 

- 4 Arjun reached his dance class at 3:45 p.m. He attended the class for 1 hour 45 minutes and then left for his home. Which of the following clocks shows the time at which he left the dance class?

- A.  B.  C.  D. 

- 5 Arrange the alphabets given below to form a meaningful English word and identify the category of that word.

D E R B A

- A. Food item B. Name of a month
C. Bird D. Colour

SPACE FOR ROUGH WORK

6 Identify X and Y.

X : It is a component of CPU, that can stores information either temporarily or permanently.

Y : It is a component of CPU, that can perform basic mathematical operations.

- | | | | |
|-------|----|--------|-----|
| X | Y | X | Y |
| A. CU | MU | B. ALU | MU |
| C. MU | CU | D. MU | ALU |

7 Match the various tools given in Column-1 with their functionalities given in Column-2 with respect to MS-Paint of Windows 11.

Column-1

Column-2

- | | |
|--|---|
| (a)  | (1) To draw thick or stylish lines with different brush shapes and sizes. |
| (b)  | (2) To open Edit colors dialog box. |
| (c)  | (3) To draw thin, freehand lines like a regular pencil. |
| (d)  | (4) To type text into your drawing. |

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

8 Which of the following is/are the CORRECT way(s) to open a program on a computer?

- (1) Right-click on the program icon and click the Open option from the context menu.
 (2) Double-click on its shortcut option.
 (3) Select the program icon and press  key.

- A. (1) only B. (1) and (2) only C. (2) and (3) only D. (1), (2) and (3)

9 Unscramble the letters of the given word.

EIOCHOPRMN

Identify to which category does it belong?

- | | |
|-------------------------------|--|
| A. It is an output device. | B. It is an input device. |
| C. It is a processing device. | D. It is both an input and an output device. |

SPACE FOR ROUGH WORK

10 Aman has performed the following steps.

Step 1: Typed the word 'Information'.

Step 2: Press  key.

Step 3: Type the word 'Technology'.

What would be displayed on screen after performing these steps?

- | | |
|------------------------------|---------------------------|
| A. Information
Technology | B. Information
nology |
| C. Info Technology | D. Information Technology |

11 Which of the following options can replace **(X)** and **(Y)** to complete the given sentences?

(X) is an example of a search engine. Google chrome is an example of a/an **(Y)**.

- | | | | |
|--------------------|---------------|------------|-------------|
| (X) | (Y) | (X) | (Y) |
| A. Mozilla Firefox | ISP | B. Safari | NIC |
| C. Edge | Search engine | D. Google | Web browser |

12 Which of the following sequence of steps is **CORRECT** to set the size of the drawing area in **MS-Paint** of **Windows 11**?

- | | |
|-----------------------------|----------------------------|
| A. File → Page setup | B. File → Image properties |
| C. Canvas → File properties | D. Canvas → Size |

13 What is the full form of **URL** in terms of the internet?

- | | |
|------------------------------|-------------------------------|
| A. Uniform Resource Locator | B. Universal Resource Locator |
| C. Uniform Resource Location | D. Unique Resource Location |

14 Which of the following tools has been applied on given **Image-1** to convert it into **Image-2** in **MS-Paint** of **Windows 11**?

- A. Flip vertical
B. Flip horizontal
C. Rotate right 90°
D. Rotate 180°

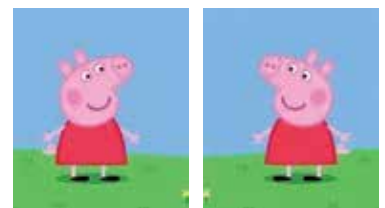


Image-1

Image-2

15 A/An _____ is a program on the internet that helps you find websites, pictures, videos or information using keywords.

- | | | | |
|------------------|--------|-----------|--------|
| A. Search engine | B. URL | C. Server | D. ISP |
|------------------|--------|-----------|--------|

SPACE FOR ROUGH WORK

22 Which of the following is/are the type(s) of an impact-printer?

(1) Dot-matrix printer

(2) Line printer

(3) Laser printer

A. (1) and (3) only B. (1) and (2) only C. (2) and (3) only D. (1), (2) and (3)

23 Which of the following statements hold(s) true about the given type of computer?

Statement 1 : It allows to use fingers to tap, swipe, scroll and zoom.

Statement 2 : It is designed and to be kept only on the desk.



A. Only Statement 1

B. Only Statement 2

C. Both Statement 1 and Statement 2

D. Neither Statement 1 nor Statement 2

24 Which of the following statements is **CORRECT**?

A. A headset can be considered as both an input and an output device.

B. Output devices are used to show/display data or results of processing done by CPU.

C. Input devices are used to enter data into the computer.

D. All of these

25 Identify the following.

- It helps to show pictures or videos from a computer on a big screen, so that everyone can see.
- In school, teachers use it to show lessons, stories or movies to the whole class.



INFORMATION TECHNOLOGY

26 Select the **INCORRECT** match.

A.  - A shopping app

B.  - A social networking app

C.  - A messaging app

D.  - A search engine app

SPACE FOR ROUGH WORK

27 An act of doing online shopping using the internet is called _____.
 A. E-Shopping B. E-mailing C. E-ticket D. E-book

28 Select the odd one out regarding the Google services.



29 The device shown in the given image can be used while playing video games to make players feel like they are inside the game. What is this device called?

A. VR headset

B. Remote headset

C. Moving headset

D. Cursor headset



30 Which of the following options is an online photo-sharing, video-sharing and social networking service provider?



ACHIEVERS SECTION

31 Select the INCORRECT match with respect to MS-Paint of Windows 11.

A.  - To remove the background of an image.

B.  - To remove unwanted parts of an image by selecting a specific area and trimming the rest.

C.  - To change the dimensions of the entire image or a selected portion of it.

D.  - To change the orientation of an image or selected part of an image.

32 How many features of computers are hidden in the given word grid?

A. 2

B. 5

C. 4

D. 3

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

SPACE FOR ROUGH WORK

- 33 Unscramble the letters of the given word and then select the statement(s) which is/are CORRECT about it.

CCOROSEROSIRMP

- (1) It is a small chip in the computer that helps to work and follow instructions.
(2) When you play a game or type something, it helps the computer to understand what to do.
(3) It is used to read some specially printed characters found on cheques.

A. (1) only B. (1) and (2) only C. (2) and (3) only D. (1) and (3) only

- 34 Which of the following statements hold(s) true about the given image?

Statement 1 : It is a computer program that works with wired or wireless internet connections.



Statement 2 : It is a web browser made by Microsoft. It helps you use the internet to open websites, watch videos, read news and more.

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

- 35 Identify the following.

- It is a smart helper on the computer that uses artificial intelligence.
- It can help students to understand complex topics by providing explanations in simple language.
- It is developed by Microsoft.



SPACE FOR ROUGH WORK



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