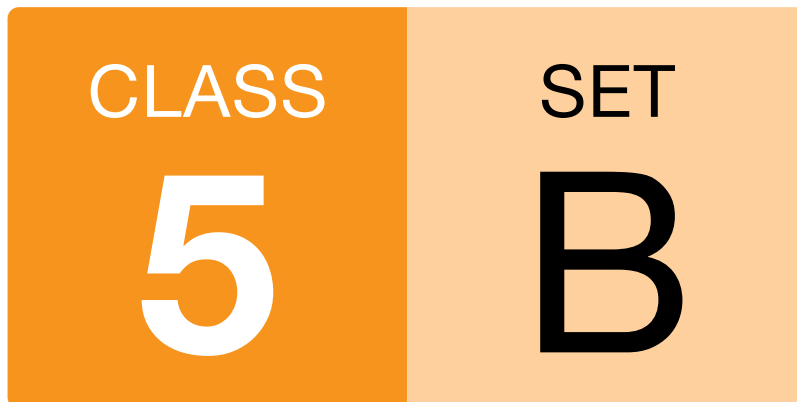




Total Questions : 50

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 (10 Questions), **Computer Science** (30 Questions), **Information Technology** (5 Questions) and **Achievers Section** (5 Questions).

Each question in Achievers Section carries 3 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: Which of the following is a type of printer?

- A. Cathode Ray Tube B. Light Emitting Diode C. Thermal Flatbed D. Liquid Crystal Display

As the correct answer is option C, you must darken the circle corresponding to option C on the OMR Sheet.

16. (A) (B) ● (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.:.....

1 Read the given information carefully and answer the following question.

- Ankit and Varun like red and blue colors.
- Neha and Aakash like blue and green colors.
- Neha and Ankit like pink colors.

Who among the following like all colors except green?

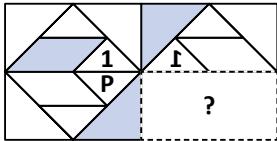
- A. Neha
- B. Varun
- C. Aakash
- D. Ankit

2 Select the correct mirror image of the given combination of letters and numbers.



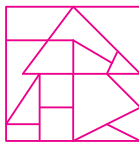
- A. C3OoL1596
- B. 3e21Jo0E3
- C. 965T700E3
- D. 6951Jo033

3 Select a figure from the options which will complete the pattern in the given figure.



- A.
- B.
- C.
- D.

4 Select a figure from the options which is exactly embedded in the given figure as one of its parts.



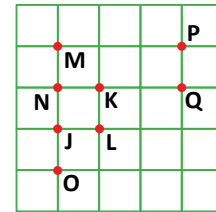
- A.
- B.
- C.
- D.

5 There is a certain relationship between the pair of terms on either side of ::. Identify the relationship between the given pair and find the missing term.

MJ : 46 :: PF : ?

- A. 96
- B. 42
- C. 44
- D. 80

6 Which of the following points is in the South-East of point N?



- A. J
- B. M
- C. L
- D. P

7 Some letters are coded in a certain code language as given below.

Letters	D	E	L	I	N	P	T	S	Q	A
Codes	*	#	%	=	+	>	<	^	v	≠

What will be the code for ISLAND?

- A. =%≠+^*
- B. ^=%≠+*
- C. =%^≠+*
- D. =^%≠+*

8 Neha went for cooking classes only on even dates except the dates which are multiple of 4 in April 20XX. How many days did she go for cooking classes in that month?

APRIL 20XX						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

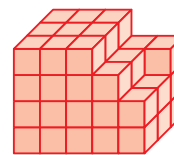
- A. 15
- B. 7
- C. 8
- D. 16

- 9 Arrange the given words as they occur in a dictionary and select the **CORRECT** option.

1. Friend 2. Fright 3. Fringe 4. Friday

- A. 1, 4, 3, 2
B. 4, 1, 2, 3
C. 4, 1, 3, 2
D. 1, 4, 2, 3

- 10 Count the number of cubes in the given figure.



- A. 47 B. 48
C. 51 D. 52

COMPUTER SCIENCE

- 11 What is the most common way to discover a media type?

- A. By file extension
B. By file location
C. By file name
D. By file pixel

- 12 Which of the following **CANNOT** be considered as a hardware of a computer?

- A. 
B. 
C. 
D. None of these

- 13 Which of the following device(s) is/are able to accept input as well as produce output?

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

- A. (1) and (3) only
B. (2) and (4) only
C. (1) and (4) only
D. (2) and (3) only

- 14 Which of the following statements is **CORRECT** about volatile memory?

- A. It permanently stores operating system files.
B. It is only used during the boot process.
C. It provides temporary storage for running programs.
D. It is unaffected by sudden power loss.

- 15 Which of the following statements hold(s) true about the web browser?

Statement 1: It is a computer program or an app that helps you to open and view websites on the internet.

Statement 2: It can be used to show a list of websites you visited earlier.

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

- 16 Which of the following options is **NOT** found in the Paragraph group of the Home tab in MS-Word 2016?

- A. 
B. 
C. 
D. 

- 17 Which of the following file formats uses lossy file compression methods?

- (1) MPEG (2) JPEG
(3) MP3
A. (1) and (2) only
B. (2) and (3) only
C. (1) and (3) only
D. (1), (2) and (3)

- 18 When using the "In margin" style for Drop Cap option in MS-Word 2016 where does the first letter appear?

- A. Within the paragraph text
B. Inside the page header
C. Outside the paragraph text
D. Inside the page footer

19 Identify the following.

- It is located at the top of the browser window in the address bar.
 - It specifies the internet address of a file stored on a host computer or server connected to the internet.
- A. Web site
B. Web page
C. URL
D. DNS

20 Which of the following represents a secure website address?

- A. `http://abc.com`
B. `https://xyz.com`
C. `www.abc.net`
D. `file://mycomputer`

21 Select the INCORRECT match with respect to an e-mail.

- A. Reply – It allows you to send a reply to someone who has send you an e-mail.
- B. Forward – It allows you to forward a message that you have received, to someone else.
- C. From – It refers to a person who sent the e-mail message.
- D. To – It allows to enter only one e-mail address at a time of a person, who will receive the e-mail message.

22 Which of the following steps allows you to remove slide numbers from some slides only, while retaining them on others in MS-PowerPoint 2016?

- A. Disable slide numbering globally
- B. Header and Footer dialog box → Uncheck “Slide number” → Apply to All
- C. Remove the placeholder manually from specific Slide Layout
- D. Header and Footer dialog box → Uncheck “Don’t show on title slide”

23 A/An _____ is a round, flat disc that stores data like music, videos and files that uses a laser to read and write information.

- A. Optical disc
B. HDD
C. SDD
D. Floppy disc

24 Select the INCORRECT with respect to Windows 11.

- A.  – Used to see all the drives, folders and files stored on your computer.

- B.  – Used to open the Start menu, where you can find programs, settings and files.
- C.  – Used to show or change settings like sound, appearance and how the computer works.
- D.  – Used to connect your computers language and time zone.

25 What is the use of given icon with respect to MS-Paint of Windows 11?



- A. It is used to Resize and Skew the selected image.
- B. It is used to change the height and width of drawing canvas.
- C. It is used to add borders around the drawing.
- D. It is used to remove background of the drawing.

26 Select the INCORRECT match with respect to MS-PowerPoint 2016.

- A.  – Default view when you open a presentation.
- B.  – Shows the slide in full screen without switching to Slide Show mode.
- C.  – Displays only the text on your slides, not pictures or graphics.
- D.  – Shows one slide at a time with its speaker notes below.

27 Rearrange the given steps in a CORRECT order to rename a folder on desktop in Windows 11.

- (1) Press the  key on the keyboard to save the new name.
- (2) Click on “Rename” from the menu that appears.
- (3) Right-click on the folder you want to rename.
- (4) Type the new name for the folder.
- A. (3)→(2)→(4)→(1)
B. (1)→(2)→(3)→(4)
C. (4)→(3)→(1)→(2)
D. (3)→(1)→(4)→(2)

28 Select the odd one out.

- A. .mov
B. .mp4
C. .jpeg
D. .svg

29 How can you arrange the selected numeric data of a document in an ascending order in MS-Word 2016?

- A. Home tab → Sort group → Click on  → Choose desired options → OK
- B. Insert tab → Data group → Click on  → Choose desired options → OK
- C. Home tab → Paragraph group → Click on  → Choose desired options → OK
- D. Insert tab → Paragraph group → Click on  → Choose desired options → OK

30 A scanner is an _____ and it is used to _____.

- A. Input device, Send text to speakers
- B. Output device, Print photos
- C. Input device, Copy images or text from paper onto the computer
- D. Output device, Show videos on monitor

31 Which of the following domains is commonly used for educational websites?

- A. .com
- B. .edu
- C. .gov
- D. .net

32 Which of the following is NOT a correct way to stay safe on a network?

- A. Use of strong passwords
- B. Share personal information with strangers
- C. Avoid clicking on unknown links
- D. Log out after using shared computers

33 Which of the following devices allows you to use or access a hotspot?

- (1) Smartphone (2) CPU
- (3) Tablet (4) UPS
- (5) Laptop

- A. (1), (3) and (5) only
- B. (3), (4) and (5) only
- C. (1), (2) and (3) only
- D. (1), (2), (3), (4) and (5)

34 Which of the following is a type of wire that has two wires twisted around each other and also used to send signals like the internet or telephone messages between computers and other devices?

- A. Fiber optic cable
- B. Coaxial cable
- C. Twisted pair cable
- D. HDMI cable

35 What does EEPROM stand for?

- A. Electrically Editable Erasable Programmable Read-Only Memory
- B. Electrically Erasable Programmable Read-Only Memory
- C. Electronic Erased Program Read-Only Memory
- D. Enhanced Erasable Permanent Read-Only Memory

36 A teacher installed a software named “Typing Master” in a computer lab to practice keyboard skills for class 5 students. What type of software is it?

- A. System software
- B. Application software
- C. Utility software
- D. Both A and B

37 Select the INCORRECT match.

- A.  – System Software
- B.  – Application Software
- C.  – Utility Software
- D.  – System Software

38 Which of the following statements is CORRECT about the device driver?

- A. It helps the computer to browse the internet.
- B. It allows specific hardware devices to communicate with the computer.
- C. It stores files on the computer.
- D. It creates documents and images.

39 Which of the following options will allow you to transform the given Image-1 into Image-2 and then Image-2 into Image-3 in MS-Paint of Windows 11?



- A. Rotate left 90°, Rotate 180°
- B. Rotate right 90°, Rotate 180°
- C. Rotate 180°, Rotate right 90°
- D. Rotate left 90°, Rotate 360°

- 40 Unscramble the given letters and identify the statement which is **CORRECT** about it.

ATTEPLSR

- A. These are stacked on a cylindrical rod in a hard disk.

- B. It gives output on a paper.
C. It does mathematical and logical calculations in a computer.
D. It is about the size of a postage pump.

INFORMATION TECHNOLOGY

- 41 Which of the following technologies would you use to input data into the computer without touching it?

- A. Virtual reality
B. Voice recognition
C. Gesture recognition
D. Both B and C

- A. Google Siri
B. Meta AI
C. Meta Platforms
D. Apple Intelligence

- 42 Which of the following apps supports given features?

- Video calling
- Audio calling
- Exchange of stickers and audio files
- Exchange of photos and videos



- D. Both A and B

- 43 Identify the given image.



- 44 The given logo is of _____.



- A. Instagram
B. Twitter
C. OneDrive
D. Dropbox

- 45 Which of the following provides cloud-based storage services?



- D. All of these

ACHIEVERS SECTION

- 46 Which of the following statements hold(s) true with respect to storage devices?

Statement 1: A Solid-state drive (SSD) is a type of storage device that stores data using flash memory instead of the traditional spinning disks used in hard disk drives (HDDs).

Statement 2: USB flash drives have magnetic storage and consist of one or more spinning disks coated with a magnetic material.

- A. Only Statement 1
B. Only Statement 2

- C. Both Statement 1 and Statement 2
D. Neither Statement 1 nor Statement 2

- 47 After inserting a SmartArt graphic, which of the following options can be used to add more shapes (elements) to it in MS-PowerPoint 2016?

- A. Home tab → SmartArt Tools group → Add Shape
B. SmartArt Tools Design tab → Create Graphic group → Add Shape
C. SmartArt Tools Format tab → Insert group → Shapes
D. Insert tab → SmartArt Tools group → Add Shape

48 Which of the following statements are **CORRECT** with respect to networking?

- (1) MAN is larger than a LAN but smaller than a WAN.
- (2) WAN is a type of network that connects computers over a larger geographical distance.
- (3) PAN is a type of network that connects computers/devices within range of an individual person.

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

49 What is the function of the option shown here which is found under the File tab in MS-Paint of Windows 11?



- A. It is used when we want to set a drawing made in Paint as a desktop background.
- B. It is used when we want to change the height and width of drawing canvas.

- C. It is used to send the drawing as an email attachment.
- D. It is used to add borders around the drawing.

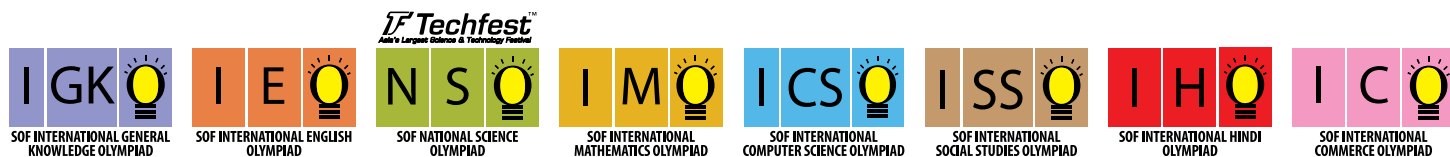
50 Match the following with respect to MS-Word 2016.

Column-1	Column-2
(a)  + 	(1) To select one character to the right
(b)  +  + 	(2) To select from current position to the beginning of a line
(c)  + 	(3) To select the word to the left
(d)  + 	(4) To select from current position to the end of line

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

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK



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