CLASS
5

SCIENCE OLYMPIAD FOUNDATION

SAMPLE PAPER 2026-27

SOF INTERNATIONAL COMPUTER SCIENCE OLYMPIAD

Total Questions : 50 | Time : 1 hr.

PATTERN & MARKING SCHEME

Section	(1) Logical Reasoning	(2) Computer Science	(3) AI, Robotics and Information Technology	(4) Achievers Section
No. of Questions	10	30	5	5
Marks per Ques.	1	1	1	3

SYLLABUS

Section – 1 : Patterns, Analogy and Classification, Geometrical Shapes, Mirror and Water Images, Direction Sense Test, Ranking Test, Alphabet Test, Logical Sequence of Words, Puzzle Test, Coding-Decoding, Clock and Calendar.

Section – 2 : Fundamentals of Computer (Input and Output Devices, Hardware, Software), Storage Devices, Memory –Primary & Secondary Memory, MS-Paint, Introduction to Multimedia, MS-Word (Paragraph formatting Using Paragraph group, Drop Cap, Document Views, Inserting Graphics-Pictures and Shapes, Screenshots, Symbols, SmartArt, Multimedia Objects, Text Box, Inserting Header and Footer in a document and exploring its features), Introduction to MS-PowerPoint (Component of MS-PowerPoint window and its features, Inserting Graphics-Pictures and Shapes, Screenshots, Symbols, SmartArt, Multimedia Objects, Text Box, Inserting Header & Footer and exploring its features, Running slide shows, Presentation Views), Internet, Computer Networks, Using Windows 11.

Section – 3 : Introduction to AI, Robotics, IT Gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Sections 2 and 3.

Questions are based on Windows 11 and MS-Office 2016.

LOGICAL REASONING

1. In a certain code language, 'LEADER' is written as '#+@$+%' and 'BOARD' is written as '*?@%$'. How will 'ADOBE' be written in the same code language?

(A) @$+#%
(B) +%?*#
(C) @$?*+
(D) @+?#%

2. Some letters are numbered 1, 2, 3, 4, 5 and 6 as given below. Arrange the given letters to form a meaningful English word and select the correct option.

N	I	L	E	O	N
1	2	3	4	5	6

(A) 3, 2, 6, 4, 1, 5
(B) 5, 6, 3, 2, 1, 4
(C) 6, 2, 5, 1, 3, 4
(D) 5, 6, 3, 1, 2, 4

3. There is a certain relationship between the pair of numbers on the either side of ::. Identify the relationship between the given pair and find the missing number.

14 : 39 :: ? : 63

(A) 22
(B) 24
(C) 18
(D) 21

COMPUTER SCIENCE

4. Which of the following statements hold(s) true regarding internet?
Statement 1 : Hyperlink is used to connect multiple pages on the web.
Statement 2 : URL is the address of a webpage.
(A) Only Statement 1 (B) Only Statement 2
(C) Both Statement 1 and Statement 2 (D) Neither Statement 1 nor Statement 2

5. Which of the following devices will NOT be needed, if you want to preview and print the hard copy of the document?
(1)  (2)  (3)  (4) 
(A) (1) only (B) (2) only (C) (3) and (4) only (D) (1), (2), (3) and (4)

6. Identify the types of devices referred as X and Y in the given statements.
X – It is a volatile memory which stores the data, instructions and results of the program currently being executed by the processor and the temporary data which is frequently used.
Y – It is a non-volatile primary storage and keeps its contents when the computer is turned off.
(A) X-ROM, Y-RAM (B) X-RAM, Y-ROM (C) X-CD, Y-DVD (D) X-CD, Y-Hard disk

AI, ROBOTICS AND INFORMATION TECHNOLOGY

7. Which of the following options fall under biometrics recognition technique?
(i) Facial recognition (ii) Eye recognition
(iii) Voice recognition (iv) Fingerprints recognition
(A) (i) and (ii) only (B) (iii) and (iv) only
(C) (i), (ii) and (iii) only (D) (i), (ii), (iii) and (iv)

8. Identify the following.
- It is a network of satellites that help users determine location on earth.
- It can be used to track the vehicles.
- It is a space-based satellite navigation system.

(A) GPS (B) Android (C) Biometric (D) Drone

ACHIEVERS SECTION

9. Which of the following statements hold(s) true regarding Metropolitan Area Network (MAN)?
Statement 1 : It connects multiple LANs across a large area but is smaller than a WAN.
Statement 2 : It is a computer network that interconnects computers within a limited area such as a residence, a school, a university campus or an office building, etc.
(A) Only Statement 1 (B) Only Statement 2
(C) Both Statement 1 and Statement 2 (D) Neither Statement 1 nor Statement 2

10. On the computer screen, which of the following components of multimedia can be used to show a rocket flying in the air?
(A) Frames (B) Audio (C) Animation (D) Text

ANSWER KEY

1. (C) 2. (B) 3. (A) 4. (C) 5. (C) 6. (B) 7. (D) 8. (A) 9. (A) 10. (C)