CLASS
7

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 : Verbal and Non-Verbal Reasoning.

Section – 2 : Fundamentals of Computer (Hardware, Software, I/O Devices, Introduction to Algorithm & Flow Chart and Its Uses and General Information About Computers), Evolution of Computers, Memory & Storage Devices, Using Windows 11, MS-Word (Links, Mail Merge, Macros, Exploring Styles group), MS-PowerPoint (Working with Slides Master and Themes, Advancing slides using Hyperlink and Actions, Customizing Slide Shows), MS-Excel (Components of MS-Excel window, Editing and formatting cells in a worksheet, Introduction to Formulas, Sorting and filtering data, Macros, Features of Insert and Page layout tabs), Networking and Cyber Safety, HTML & CSS (HTML, Head, Title, Body (Attributes: Background, Bgcolor, Text, Link, Alink, Vlink), Font (Attributes: Color, Size, Face), Center, BR, HR (Attributes: Size, Width, Align, Noshade, Color)), Basic Programming in Scratch.

Section – 3 : 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. Find the missing number which will complete the given number pattern.

16, 20, 27, 37, 50, ?

(A) 60 (B) 63 (C) 66 (D) 67

2. Find the number of triangles formed in the given figure.



(A) 12 (B) 13

(C) 14 (D) More than 14

3. In a certain code language, if MONSTER is written as 3@29#57 and LIVED is written as $465©, then how will MILDEST be written in the same code language?

(A) 3@$2#57 (B) 34$©59# (C) 3@29#5$ (D) 3426#57

COMPUTER SCIENCE

4. Which of the following is/are the elements of GUI?

(i) Menus (ii) Icons (iii) Windows

(A) (i) only (B) (ii) only (C) (iii) only (D) (i), (ii) and (iii)

5. Match the options given in Column-I with their descriptions given in Column-II with respect to flowchart.

Column-I		Column-II
(a)		(i) Used to show direction of flow.
(b)		(ii) Used for any input/output operation.
(c)		(iii) Used to invoke a subroutine or an interrupt program.
(d)		(iv) Used to ask a question that can be answered in a binary format (Yes/No, True/False).

(A) (a) – (iv), (b) – (ii), (c) – (i), (d) – (iii) (B) (a) – (ii), (b) – (i), (c) – (iv), (d) – (iii)
(C) (a) – (ii), (b) – (iv), (c) – (i), (d) – (iii) (D) (a) – (i), (b) – (iv), (c) – (ii), (d) – (iii)

6. Which of the following is not a feature of the second generation of computers?
(A) The main electronic component of this generation was transistors.
(B) The assembly language was used.
(C) Time-sharing and multi-programming operating systems were used.
(D) Punch cards were used for input and magnetic tapes for storage.

AI, ROBOTICS AND INFORMATION TECHNOLOGY

7. Which feature allows you to use the WhatsApp app on your computer?
(A) WhatsApp Remote (B) WhatsApp Web
(C) WhatsApp Desktop (D) WhatsApp Computer

8. Robotics is a branch of engineering and computer science that involves the concept,design, manufacture and operation of robots. The objective of this field is _____.
(A) To create machines that can assist humans in a variety of ways
(B) To make human workers job-less
(C) To perform very simple tasks
(D) Both (B) and (C)

ACHIEVERS SECTION

9. A/An _____ is a type of computer program that directly executes instructions written in programming language and does not require compilation into a machine language program.
(A) Compiler (B) Assembler (C) Binary (D) Interpreter

10. Which of the following built-in options of Windows 11, allows users to remove files that are no longer needed by scanning hard drive for unnecessary files including temporary files and helps to speed up and improve the performance of the hard drive and computer?
(A)  (B)  (C)  (D) 

ANSWER KEY

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