



**SOF INTERNATIONAL
COMPUTER SCIENCE OLYMPIAD**

Total Questions : 50

Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Computer Science	(3) Information Technology	(4) Achievers Section
No. of Questions	10	30	5	5
Marks per Ques.	1	1	1	3



Scan the QR code for more details

SYLLABUS

Section – 1 : Verbal and Non-Verbal Reasoning.

Section – 2 : Fundamentals of Computer, Evolution of Computers, Memory & Storage Devices, Algorithms & Flowcharts (Introduction and Basic Symbols), Using Windows 10, 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), Programming in QBasic, Networking and Cyber Safety.

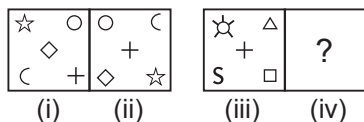
Section – 3 : AI, Robotics, IT gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.





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

Questions are based on Windows 10 and MS-Office 2016.

LOGICAL REASONING

1. There is a certain relationship between fig. (i) and (ii). Establish the same relationship between fig. (iii) and (iv) by selecting a suitable figure from the options which will replace the (?) in fig. (iv).



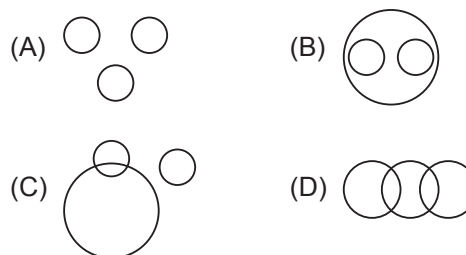
- (A)  (B) 
 (C)  (D) 

2. Mohit starting from a fixed point goes 15 m towards North and then after turning to his right he goes

15 m. Then he goes 10 metres, 15 metres and 15 metres respectively after turning to his right each time. How far is he from his starting point?

- (A) 20 metres (B) 5 metres
 (C) 10 metres (D) 15 metres

3. Which of the following Venn Diagrams best represents the relationship amongst, “Mobile phones, Televisions and Electronic items”?



COMPUTER SCIENCE

4. Which of the following parts of File Explorer allows you to find documents, images, programs, etc. in Windows 10?

- (A) Status box
 (B) Preview box
 (C) Search box
 (D) Details box

- (B) Hyperlink
 (C) Action
 (D) Custom Slide Show

5. _____ feature of MS-PowerPoint 2016 allows you to show only the selected slides from the entire presentation.

- (A) Themes

6. A browser is an interactive program that permits a user to view web pages on the computer. The browser performs which of the following services?

- (A) Connecting to the source computer whose address is specified
 (B) Requesting new page from the server
 (C) Receiving new page
 (D) All of these

INFORMATION TECHNOLOGY

7. Select the odd one out.



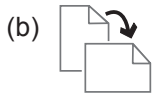
8. Which of the following generation of computers is related to artificial intelligence?

- (A) Third generation
- (B) First generation
- (C) Fifth generation
- (D) Fourth generation

ACHIEVERS SECTION

9. Match the following icons given in Column-I with their descriptions given in Column-II with respect to MS-Excel 2016.

Column-I



Column-II

- (i) Change page orientation
- (ii) Set the margin sizes
- (iii) Add a break

- (A) (a)-(ii), (b)-(i), (c)-(iii)
- (B) (a)-(i), (b)-(ii), (c)-(iii)
- (C) (a)-(iii), (b)-(ii), (c)-(i)
- (D) (a)-(i), (b)-(iii), (c)-(ii)

10. What would be the output of the following program in QBasic?

```
X$ = MID$ ("International Computer Science Olympiad", 15, 8) PRINT X$
```

- (A) Computer
- (B) International
- (C) Internat
- (D) Olympiad

SPACE FOR ROUGH WORK

ANSWERS

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