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 : History and Generation of Computers, Types of Computers, MS-Windows 10, MS-Word(Working with Charts and Tables, Using Layout tab, Arranging multiple windows of a document), MS-PowerPoint(Creating presentation using Animation, Working with Animations and Transitions, Creating new slides using Slides pane, Working with Handouts and Notes Master, Arranging multiple windows of a presentations, Working with Charts and Tables), Networking and Cyber Safety, Introduction to QBasic, Hardware, Software, Input & Output Devices, Memory & Storage Devices.
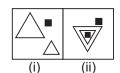
Section – 3 : AI, Robotics, IT Gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.
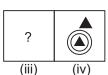
Section – 4 : Higher Order Thinking Questions - Syllabus as per Sections 2 and 3.

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. (iii).

2. Which of the following options will complete the given pattern?

E22, J17, O12, ?

(A) S7   (B) T5
(C) T7   (D) T6

3. Ayan walks 20 m North from his house, turn right and walks 10 m, turns left and walks 15 m to reach his grandfather's house. In which direction is his grandfather's house from his house?

(A) South-West
(B) North-East
(C) East
(D) North

COMPUTER SCIENCE

4. Which of the following memory does not store data permanently?

(A) Hard disk   (B) CD
(C) ROM   (D) RAM

5. Identify the given icon with respect to windows 10.

(A) File Explorer   (B) Recycle Bin
(C) Start Menu   (D) This PC

6. _____ tab of MS-Word 2016 allows you to set the page formatting options.

(A) Home
(B) Insert
(C) Design
(D) Layout

7. Which of the following is/are available by default in Windows 10?
(A) Cortana
(B) Microsoft Edge
(C) iTunes
(D) Both (A) and (B)

8. The given image is of _____ which is an android _____ .
(A) Kitkat, operating system
(B) Lollipop, operating system
(C) Jelly Bean, operating system
(D) Cupcake, operating system

ACHIEVERS SECTION

9. What would be the output of given QBasic code if user enters the value of A = 10 and B = 20?

CLS
INPUT A
INPUT B
SUM = A + B
Avg = SUM/2
PRINT "SUM="; SUM
PRINT "Average="; Avg

(A) SUM= 30   (B) A = 10
    Average= 15   B = 20
                         SUM = 40
                         Average = 10

(C) A = 10   (D) SUM = 30
    B = 20   Avg = 15
    SUM = 30
    Average = 10

10. Transition effect deals with the entrance and exit of a slide in a slide show. Which of the following categories of Transitions is depicted in the given image of MS-PowerPoint 2016?

Dissolve   Checkerboa...   Blinds   Clock

(A) Subtle
(B) Exciting
(C) Dynamic Content
(D) Static Content

SPACE FOR ROUGH WORK

ANSWERS

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