SOF SCIENCE OLYMPIAD FOUNDATION

N C O
SOF NATIONAL CYBER OLYMPIAD

Total Questions : 50   Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	(1) Logical Reasoning	(2) Computers & IT	(3) Achievers Section
No. of Questions	10	35	5
Marks per Ques.	1	1	3

SYLLABUS

Section – 1 : Verbal and Non-Verbal Reasoning.

Section – 2 : Fundamentals of Computer, Number System, Operating System, MS-Word, Networking, MS-PowerPoint, MS-Excel, HTML & CSS, Internet, Database Management System(Functions, Types, MS-Access), Using Windows 10, Programming in Scratch, Programming in Python 3.11 (as of December 2022), Latest Developments in the Field of IT.

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

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

LOGICAL REASONING

1. Q, R, S, T, U and V are seated in a straight line facing North. S is second to the right of T and T is second to the right of Q. R is to the left of Q and second to the left of V.

What is Q's position with respect to S?

(A) Third to left   (B) Fourth to left

(C) Second to left   (D) Fifth to left

2. Which of the following Venn diagrams best represent the relationship amongst, "Petals, Bouquet and Flowers"?

(A)   (B)

(C)   (D)
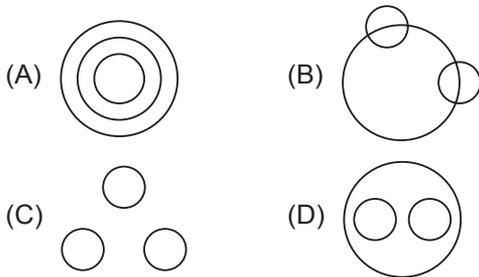
3. Select a figure from the options which will complete the given figure matrix.

(A)   (B)

(C)   (D)
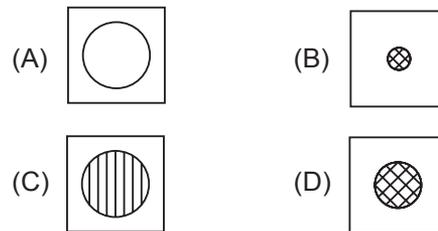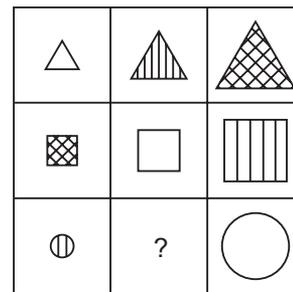
COMPUTERS AND INFORMATION TECHNOLOGY

4. Which of the following tasks is performed by utility software?

(A) Helps you to backup data

(B) Removes outdated files or recover data that has been accidentally erased

(C) Avoid or clean virus

(D) All of these

5. CSS comments starts with _____ and ends with _____.

(A) /*, */

(B) **, //

(C) ^/, /^

(D) None of these

6. Which of the following options of Settings windows in Windows 10 allows to do time and language related changes?

(A)   (B)

(C)   (D) Both (A) and (B)

7. Identify the given icon with respect to MS-Word 2016.

(A) Print Layout   (B) Read mode

(C) Web Layout   (D) Draft Mode

8. Which of the following is a wired networking technology?

(A) Bluetooth

(B) Wi-Fi

(C) Infrared

(D) Optical fiber

ACHIEVERS SECTION

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

Column I		Column II
(a)	(i)	Custom Views
(b)	(ii)	Normal View
(c)	(iii)	Page Break Preview

(A) (a)-(iii), (b)-(ii), (c)-(i)

(B) (a)-(ii), (b)-(iii), (c)-(i)

(C) (a)-(i), (b)-(iii), (c)-(ii)

(D) (a)-(i), (b)-(ii), (c)-(iii)

10. Select the INCORRECT match with respect to number system.

(A) $(4)_8 = (0011)_2$

(B) $(5)_8 = (0101)_2$

(C) $(6)_8 = (0110)_2$

(D) $(3)_8 = (0011)_2$

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SPACE FOR ROUGH WORK

ANSWERS

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