SOF
SCIENCE OLYMPIAD FOUNDATION

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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 : Patterns, Analogy and Classification, Coding-Decoding, Geometrical Shapes, Mirror Images, Water Images, Embedded Figures, Direction Sense Test, Ranking Test, Alphabet Test and Logical Sequence of Words, Puzzle Test.

Section – 2 : 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, Clip Arts, 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, Clip Arts, Symbols, SmartArt, Multimedia Objects, Text Box, Inserting Header & Footer and exploring its features, Running slide shows, Presentation Views), Internet, Computer Networks, Using Windows, Latest Developments in the field of IT.

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

Questions are based on Windows 7 and MS-Office 2010.

LOGICAL REASONING

1. How many times exactly two X's occurs together?

X Y X X Y X Y Y X Y X Y Y X X Y X Y X X

(A) 5   (B) 4   (C) 2   (D) 3

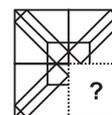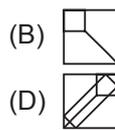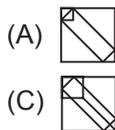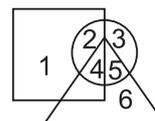**2.** Which of the following options replaces the question mark (?) in Fig. (X)?

(A)   (B)

(C)   (D)

Fig. (X)

3. If "MATHEMATICS" is coded as "SCITAMEHTAM" then how will "OLYMPIAD" be coded ?

(A) DAMPOMYL   (B) OLYMDIAP   (C) DAIPMYLO   (D) IADYMPLO

4. Which number lies in the circle and square, but not in the triangle?

(A) 1
(B) 2
(C) 3
(D) 6

COMPUTERS AND INFORMATION TECHNOLOGY

5. Which of the following is NOT a Windows 7 Aero feature?

(A) Snap   (B) Peek   (C) Bump   (D) Shake

6. What is a firewall in a network?

(A) It is the memory unit of a network.   (B) A network operating system.

(C) A system preventing unauthorized access to a network.

(D) It is a web browsing software.

7. Multimedia is used for many purposes like _____.

(A) Education   (B) Advertising   (C) Playing games   (D) All of these

8. Find the odd term out.

(A) Scanner   (B) Mouse   (C) OMR   (D) Printer

9. What is the significance of star icon placed adjacent to the sender name in inbox of Gmail?
(A) To mark them as spam message.
(B) To easily mark certain messages as important or to indicate that you need to reply to them later.
(C) Star marked mail will be deleted after some time automatically.
(D) Star marked mail will move to trash folder after 30 days.

10. Which of the following devices emits computer audio as audible audio?
(A) Trackball   (B) Cursor   (C) Webcam   (D) Speaker

11. Which of the following icons of MS-PowerPoint 2010 is used to insert the characters like □, ©, etc. that are not present on the keyboard?

(A) π (B) $\mathcal{A}$ (C)   (D) Ω

12. The small picture representing a program in Windows 7 is called _____.
(A) Icon   (B) Picture   (C) Image   (D) Drive

13. While working in MS-Paint, the option which is used to show the drawing in a small reference window is _____.
(A) Grid   (B) Zoom in   (C) Bitmap   (D) Thumbnail

ACHIEVERS SECTION

14. Mr. Kumar is making a presentation for his company in which he is required to include some graphics, audio and video clips. Which of the following options will help him to insert a video clip in MS-PowerPoint 2010?

(A)   (B)   (C) π (D)

15. Which of the following type of expansion cards can be inserted into a computer motherboard via expansion slot, to allow television signals to be received by a computer system?

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

SPACE FOR ROUGH WORK

ANSWERS

NCO – 1. (D)   2. (C)   3. (C)   4. (B)   5. (C)   6. (C)   7. (D)   8. (D)   9. (B)   10. (D)   11. (D)   12. (A)   13. (D)   14. (D)   15. (A)

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