



**SOF NATIONAL CYBER OLYMPIAD**

**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.**

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

**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)?

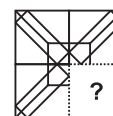
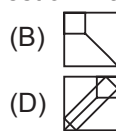
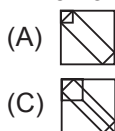


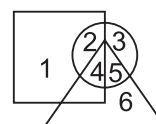
Fig. (X)

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

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)
- (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)

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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)