SCIENCE OLYMPIAD FOUNDATION

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 : History and Generation of Computers, Types of Computers, MS-Windows, MS-Word(Working with Charts and Tables, Using Page Layout tab, Arranging multiple windows of a document), MS-PowerPoint(Creating presentation using Animation, Custom Animation and Transitions, Creating new slides using Slides pane, Outline pane and Slides from Outline, Working with Handouts and Notes Master, Arranging multiple windows of a presentations, Working with Charts and Tables), Internet & E-mail, Introduction to QBasic, Hardware, Software, Input & Output Devices, Memory & Storage Devices, 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. Select a figure from the options in which the figure (X) is exactly embedded as one of its part.

Figure (X)

(A)   (B)

(C)   (D)

2. The given equations are solved on the basis of a certain system. On the same basis, find out the correct answer from amongst the options. If 12 – 5 = 84, 10 – 5 = 50, 8 – 5 = 24, then 6 – 5 = ?
(A) 11   (B) 30
(C) 6   (D) 1

3. Select a figure from the options which will complete the Fig. (X).

(A)

(B)

Fig. (X)

(C)   (D)

4. The given question consists of figures (i), (ii), (iii) and (iv). There is a definite relationship between figures (i) and (ii). Establish a similar relationship between figures (iii) and (iv) by selecting a figure from the options which will replace the question mark in fig. (iv).

(i)   (ii)   (iii)   (iv)

(A)   (B)

(C)   (D)

5. If 'Cloud' is coded as 'Rain', 'Rain' is coded as 'Tree', 'Tree' is coded as 'Axe', 'Axe' is coded as 'House' and 'House' is coded as 'Mason', then from which of the following 'Wood' is obtained?
(A) Tree   (B) Rain
(C) Axe   (D) Mason

COMPUTERS AND INFORMATION TECHNOLOGY

6. What can be used with a PRINT statement for printing multiple values in a single line in QBASIC?
(A) Comma   (B) Semicolon
(C) Tab (n)   (D) All of these

7. Windows 7 can run on _____.
(A) 32-bit processors
(B) 64- bit processors
(C) 128 bit processors
(D) Both (A) and (B)

8. In MS-Word 2010, to insert the header and footer in a document, which tab should you go to?
(A) View (B) Page Layout
(C) Home (D) Insert

9. The software program that acts as an interface between the user and the www is _____.
(A) E-mail (B) Internet
(C) Protocol (D) Web browser

10. Which of the following is a volatile memory ?
(A) ROM (B) RAM
(C) EPROM (D) PROM

11. By clicking which button one can return the window to its original size ?
(A) Maximize button (B) Minimize button
(C) Restore button (D) Close button

12. To switch between the running applications, _____.
(A) Press F1 (B) Press ALT + F4
(C) Press TAB
(D) Press and hold down ALT and press TAB

13. What is the difference between Volatile and Non-Volatile Memory?
(A) They are both same types of memory.
(B) Volatile memory loses its contents when there is no electricity while non-volatile memory retains its content with or without electricity.
(C) Non-volatile memory loses its contents when there is no electricity while volatile memory retains its content with or without electricity.
(D) None of these

ACHIEVERS SECTION

14. What would be the output of given QBASIC code if user enters the value of A = 1 and B = 5?
```
CLS
INPUT A
INPUT B
SUM = A + B
Avg = SUM/2
PRINT "SUM="; SUM
PRINT "Average="; Avg
```
(A) SUM= 6
  Average= 3
(B) A = 1
  B = 5
  SUM = 7
  Average = 3
(C) A = 1
  B = 5
  SUM = 6
  Average = 3
(D) SUM = 6
  Avg = 3

15. 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 2010?

Dissolve Checkerboard Blinds Clock
(A) Subtle (B) Exciting
(C) Dynamic Content (D) Static Content

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