

**SYLLABUS**

**Section – 1 :** Verbal and Non-Verbal Reasoning.

**Section – 2 :** Algorithms and Flowcharts in Programming, Visual Basic, Animations, HTML(Links, Anchors and Table tags), MS-Word, MS-Excel(Formula Auditing, Data Tools, Protecting and Sharing workbooks/worksheets, Working with cell range), MS-PowerPoint, Hardware, Software, Input & Output Devices, Memory & Storage Devices, Flash CS6, Communication Technology (Networking, Internet and Multimedia), Operating Systems(Types-Interactive (GUI based), Real Time and Distributed, Commonly used OS), Using Windows 7, 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.

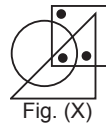
Total Questions : 50

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. Select a figure from the options which does not satisfies the same conditions of placement of the dots as in Fig. (X).



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

- (A) HCWI (B) HCWT  
(C) HWCT (D) EYRC

4. If 'P + Q' means P is the brother of Q; 'P – Q' means P is the mother of Q; 'P × Q' means P is the sister of Q, then which of the following means 'M is the maternal uncle of R' ?

- (A) M – R + K (B) M + K – R  
(C) M + K + Q (D) M – K – R

2. Study the set of numbers given below and answer the following question.

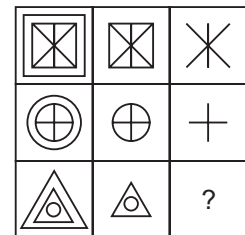
427 581 839 275 589

Which of the following numbers will be obtained if the second digit of the greatest number is subtracted from the second digit of the lowest number after adding five to each of the numbers?

- (A) 1 (B) 2  
(C) 3 (D) 4

5. Select a figure from the options which completes the given figure matrix.

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



3. If 'MILD' is related to 'NKOH' in some way, then in the same way 'GATE' is related to \_\_\_\_\_.

**COMPUTERS AND INFORMATION TECHNOLOGY**

6. A technique used to redirect a legitimate website's traffic to another illegitimate website in order to gain access to a user's personal information is known as \_\_\_\_\_.

- (A) Phishing (B) Pharming  
(C) Spamming (D) Clickjacking

- (A) Pixilation (B) Model animation  
(C) Go animation (D) Mode animation

7. Which of the following animation techniques involves the use of live humans as stop motion characters?

8. In Visual Basic, Hour() function \_\_\_\_.
- (A) Takes a time value as argument  
(B) Returns a whole number between 0 and 23  
(C) Represents the hour of the day  
(D) All of these

9. What does a disc defragmenter do?
- (A) It is a utility program that facilitates compression of files so that they occupy less storage space.
- (B) It is a utility program that minimizes the time taken by the hard disk to read up 'split' files. It does so by rearranging the files and free space on your computer so that files are stored in contiguous memory.
- (C) It is a utility program that facilitates the backing up of the disk.
- (D) It is a utility program used for creating and editing text file.

10. What does OCR stand for?
- (A) Optical Character Render
- (B) Optical Character Recognition
- (C) Operational Character Reader
- (D) Only Character Reader

11. Match the following.
- |              |                  |
|--------------|------------------|
| 1. Scanner   | A. Input Device  |
| 2. OCR       | B. Output Device |
| 3. Light pen |                  |
| 4. Plotter   |                  |
| 5. Printer   |                  |
- (A) 1A, 2B, 3A, 4B, 5A (B) 1A, 2A, 3A, 4B, 5B  
(C) 1A, 2A, 3B, 4B, 5B (D) 1A, 2B, 3A, 4B, 5B

12. What are the two important categories of resident virus?
- (A) Fast infectors, slow infectors
- (B) Macro infectors, micro infectors
- (C) Primary infectors, secondary infectors
- (D) Attachment infectors, e-mail infectors

13. Which of the following symbols will be used to end the flowchart?

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

### ACHIEVERS SECTION

14. What would be the output of the given HTML code?
- ```
<html>
<body>
<ol>
  <li> Sequence </li>
  <li type = "i"> Selection </li>
  <li> Decision </li>
</ol>
</body>
</html>
```
- (A) I. Sequence                      (B) 1. Sequence  
ii. Selection                        ii. Selection  
iii. Decision                        iii. Decision
- (C) 1. Sequence                      (D) 1. Sequence  
ii. Selection                        i. Selection  
3. Decision                         ii. Decision

15. Which of the following codes will add two numbers and display the sum in TextBox1 in Visual Basic? (Assume that the Name property of the TextBox is Text1)
- (A) Private Sub Command1\_Click ( )  
Dim Num1, Num2, Result As Int

- ```
Num 1 = 5;
Num 2 = 8;
Result = Num1 + Num2;
Text1.Val = Result;
End Sub
```
- (B) Private Sub Command1\_Click ( )  
Dim Num1, Num2, Result As Integer  
Num1 = 5  
Num2 = 8  
Result = Num1 + Num2  
Text1.Text = Result  
End Sub
- (C) Private Sub Command1\_Click ( )  
Dim Num 1, Num 2, Result as Integer  
Result = Num 1 + Num 2  
Text1.Val = Result  
End Sub
- (D) Private Sub Command1\_Click ( )  
Dim Num1, Num2, Result As Int  
Num1 = 5;  
Num2 = 8;  
Result = Num1 + Num2;  
Val (Text 1. Text) = Result  
End Sub

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SPACE FOR ROUGH WORK

### ANSWERS

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