

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, Generation and Types of Computers, Working with OS, Input, Output & Memory Devices, Data Representation, Basics of IT, Internet Services and Protocols, HTML, MS-Word, MS-Excel, Networking, Viruses and Antiviruses, Introduction to C++ till Data Structures.

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

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

**LOGICAL REASONING**

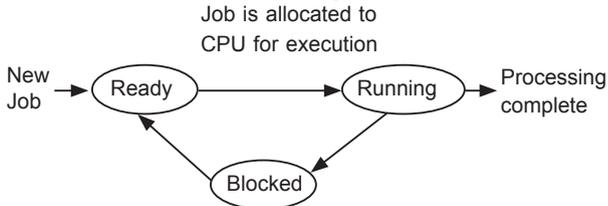
- Pointing to a person, Madhu says, "He is the son of my father's brother's only sister-in-law". How is the person related to Madhu?  
(A) Son (B) Brother  
(C) Nephew (D) Uncle
- How many such pairs of letters are there in the word 'EXPERIMENT', each of which has as many letters between them in the word as they have in the English alphabet?  
(A) None (B) One  
(C) Two (D) Three
- If '+' stands for subtraction; '-' stands for multiplication and 'x' stands for division, then which one of the following equations is correct?  
(A)  $265 + 11 - 2 \times 14 = 22$   
(B)  $2 - 14 \times 4 + 11 = 16$   
(C)  $46 - 10 + 10 \times 5 = 92$   
(D)  $66 \times 3 - 11 + 12 = 230$

**COMPUTERS AND INFORMATION TECHNOLOGY**

- A device that uses laser-beam scanning technology to read a combination of adjacent vertical lines based on their varying width and spaces between them is \_\_\_\_\_.  
(A)  (B)   
(C)  (D) 
- Which of the following is a point-to-point serial storage interface in which controllers are linked directly to drives?  
(A) SAS (B) RARP  
(C) IGMP (D) IMAP
- Which of the following is not correct?  
(A) E-commerce includes all business activities involved in the development, facilitation and implementation of business communications and transaction through electronic media.  
(B) The Intranet is a restricted version of the Internet within a group of users.  
(C) The Extranet is a closed online network connecting two or more organisations.  
(D) None of these
- $(2AB)_{16} = (\text{_____})_2$ .  
(A) 001010101011 (B) 0010101011  
(C) 111000110101 (D) 001010101010
- In printing process, when the output lines temporarily get stored in the disk drive until they are printed is called \_\_\_\_\_.  
(A) Buffering (B) Spooling  
(C) Paging (D) Indexing

## ACHIEVERS SECTION

9. Given below is a process state diagram of time sharing system. Which of the following conditions has put the job in Blocked state?



- (A) It has completed its execution.  
(B) Job is waiting for I/O completion.

- (C) Scheduler picks up the current process. It is being processed by scheduler.  
(D) Input output become available for the job.

10. Identify the following.

- It is a Windows 7 utility program.
- It is used to create new characters that can be inserted into documents using character maps.
- It can be accessed by typing eudcedit.exe in the run box.

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

SPACE FOR ROUGH WORK

## ANSWERS

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