



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, 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

COMPUTERS AND INFORMATION TECHNOLOGY

4. 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) 

5. 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

6. 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

7. $(2AB)_{16} = (\text{_____})_2$.

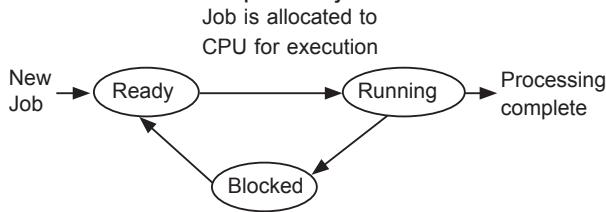
(A) 001010101011 (B) 0010101011
(C) 111000110101 (D) 001010101010

8. 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 process 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)

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ASSET – Mathematics, ASSET – Science and ASSET – English exams, conducted by Educational Initiatives



IAIS-Mathematics, IAIS-Science, IAIS-English and IAIS - Digital Technology (formerly IAIS-Computer) exams, conducted by Macmillan Education in partnership with Educational Assessment



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