COMPUTER SCIENCE   PAPER-I MTN-21   TIME ALLOWED: 20 Minutes

OBJECTIVE   MAXIMUM MARKS: 15

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

(1) 1 GB is equal to:

(A) $2^{10} B$ (B) $2^{20} B$ (C) $2^{30} B$ (D) $2^{40} B$

(2) Testing a program component is called:

(A) Pilot testing   (B) Isolation testing   (C) System testing   (D) Unit testing

(3) Data is in the form of frames at:

(A) Data Link Layer   (B) Network Layer   (C) Transport Layer   (D) Session Layer

(4) Every device has exactly two neighbours in:

(A) Bus Topology   (B) Star Topology   (C) Ring Topology   (D) Mesh Topology

(5) The height of wave within a given period of time is called:

(A) Analog   (B) Digital   (C) Frequency   (D) Amplitude

(6) Concurrent flow of bits is done in:

(A) Parallel Transmission   (B) Serial Transmission
(C) Asynchronous Transmission   (D) Synchronous Transmission

(7) Many products are designed by using:

(A) ATM   (B) CAD   (C) CAM   (D) CAL

(8) CPU sends command signals through:

(A) Data Bus   (B) Address Bus   (C) Control Bus   (D) Expansion Bus

(9) The output of a compiler is called:

(A) Object Code   (B) Source Code   (C) Software   (D) Program

(10) Backup of data is taken on:

(A) RAM   (B) ROM   (C) Hard disk   (D) Registers

(11) The work area of Windows Operating System is:

(A) Screen   (B) Desktop   (C) Control Panel   (D) Windows Explorer

(12) The maximum number of partitions that can be created on system are:

(A) 2   (B) 3   (C) 4   (D) 5

(13) A word processor can be used for:

(A) Editing Text   (B) Editing Images   (C) Editing Songs   (D) Editing Videos

(14) The grid of rows and columns is called:

(A) Word Processor   (B) Text Editors   (C) Numbers Editor   (D) Spreadsheet

(15) Internet differentiates one computer from another by:

(A) Architecture   (B) Manufacturer   (C) IP Address   (D) Brand Name

INTERMEDIATE PART-I (11th CLASS)

COMPUTER SCIENCE   PAPER-I MTN-21   TIME ALLOWED: 2.10 Hours

SUBJECTIVE   MAXIMUM MARKS: 60

NOTE: Write same question number and its part number on answer book, as given in the question paper.

SECTION-I

Q.No.2   Attempt any six parts.   6 × 2 = 12

(i)   Define system software.

(ii)   Name any four basic units of data storage.

(iii) Define system testing.

(iv)   Why do we need training of users for a new system?

(v)   Define the term groupware.

(vi)   How does internet make this world a Global Village?

(vii) Define Local Area Network.

(viii) Describe Synchronous transmission.

(ix)   Define guided media. Give an example.

Q.No.3   Attempt any six parts.   6 × 2 = 12

(i)   What is ATM?

(ii)   What is message handling system?

(iii) How can the computer help in marketing?

(iv)   List any three activities performed by control unit.

(v)   Which CPU unit performs the actual execution of instructions?

(vi)   Write four general purpose register.

(vii) What is the purpose of data segment register?

(viii) How can virus damage computer?

(ix)   What do you mean by data protection?

Q.No.4   Attempt any six parts.   6 × 2 = 12

(i)   Write two purposes of operating system.

(ii)   Describe briefly about primary partition.

(iii) Enlist four features of windows.

(iv)   Why do we use thesaurus in full featured word processor?

(v)   Differentiate between cut and paste commands in text editor.

(vi)   What is word processor?

(vii) Define named range in MS-EXCEL.

(viii) Describe about formula in MS-EXCEL.

(ix)   Define absolute referencing with an example.

SECTION-II

NOTE: Attempt any three questions.   3 × 8 = 24

5.   Define network topology. Explain working of Bus topology with diagram and examples. 2 + 4 + 1 + 1

6.   What is data communication? Describe the basic components of communication network.   8

7.   What is CPU? Explain fetch, decode and execute cycle of CPU.   2 + 2 + 2 + 2 = 8

8.   Explain four causes of computer virus.   2 + 2 + 2 + 2 = 8

9.   Explain E-mail address and URL in detail.   4 + 4