DipIETE – CS (OLD SCHEME)

NOTE: There are 9 Questions in all.

- **Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.**
- **The answer sheet for the Q.1 will be collected by the invigilator after 45 Minutes of the commencement of the examination.**
- **Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.**
- **Any required data not explicitly given, may be suitably assumed and stated.**

Q.1 Choose the correct or the best alternative in the following: (2 × 10)

a. RAID stands for

   (A) Redundant Arrays of Inexpensive Disks
   (B) Random Access Integrated Disks
   (C) Recent Advances in Intrusion Detection
   (D) Read Array Integrated Disk

b. The layer of MIS which deals with strategic and policy planning is

   (A) Top level   **(B)** Middle level
   (C) Lower level   **(D)** Higher level

c. An algorithm is

   (A) a pictorial representation of program
   (B) a set of logical step to solve the problem
   (C) set of instructions
   (D) all of the above

d. Grid chart is

   (A) tabular method of summarizing the relationship between two sets of factors
   (B) a pictorial chart
   (C) graphical method to represent data
   (D) a flow chart

e. The function to remove leading and trailing spaces from character expression is

   (A) TRIM( )   **(B)** LTRIM( )
   (C) RTRIM( )   **(D)** ALLTRIM( )

f. 10^{-9} is known as

(A) Nanoseconds   **(B)** Picoseconds
(C) Microseconds   **(D)** Milliseconds

g. Foxpro is a/an

(A) interpreter language   **(B)** compiler language
(C) assembler language   **(D)** all of the above

h. Which of the following is not the data type of FoxPro?

(A) Character   **(B)** Numeric
(C) RAW   **(D)** Date

i. The ZAP command in Foxpro is used to

(A) to mark the records for deletion
(B) to delete all the records
(C) to undelete the selected records
(D) to delete the selected records only

j. ABC analysis is used in

(A) Financial control   **(B)** Inventory control
(C) Stores accounting   **(D)** None of the above

Answer any FIVE Questions out of EIGHT Questions.
Each question carries 16 marks.

Q.2 a. What are the benefits of using flow charts? Give a sample example of a flowchart and explain its symbols. **(10)**

b. Define the followings:
(i)   System analysis
(ii) System design
(iii) System implementation **(2×3)**

Q. 3 a. Discuss the difference between sequential access file organization and direct or random access file organization. **(10)**

b. Write down the syntax of following operations used in FOXPRO
(i)   Joining two files
(ii) Opening RQBE **(3×2)**

Q. 4 a. What are the roles of Database Administrator (DBA)? **(10)**

b. How is Data Base Management System different from a File Management System? **(6)**

Q. 5 a. Define the following function in Foxpro with the help of an example:
        (i) DTOS( )   (ii) DOW( )
        (iii) DTOC( )   (iv) PAD( )   **(4×3)**

      b. Discuss the important features of FoxPro Report.   **(4)**

Q. 6 a. Discuss briefly the various commands in FoxPro with proper syntax:
        (i) RENAME   (ii) REPLACE
        (iii) RESTORE FROM   (iv) RETURN   **(4×3)**

      b. Define indexing with the help of the suitable example. Also discuss how Foxpro supports indexing techniques.   **(4)**

Q.7 a. List the various steps in creating a FoxPro program file and how do we run this file.   **(6)**

      b. How two database files can be joined to create a new database file? Briefly explain the process of joining.   **(10)**

Q.8 a. Define multiple database file in FoxPro. How multiple database files are opened? Explain using suitable example.   **(12)**

      b. What is the difference between technical and end user documentation?   **(4)**

Q.9 a. Discuss Computer based Financial Information System. What is the various financial information system?   **(8)**

      b. Write short note on:

        (i)   Auditing of Computer System
        (ii)   Data Validation   **(4×2)**