Exam. Code : 304302

Subject Code : 7417

P.G. Diploma in Business Management 2nd Semester

COMPUTER PROGRAMMING

Paper—PGDBM-205

Time Allowed—3 Hours] [Maximum Marks—50

SECTION—A

Note :– Attempt any **five** questions. Answer to each question can be upto **five** lines in length. Each question carries **2** marks.

1. (a) What is an Algorithm ? What are its characteristics ?

   (b) What is CPU ? What is its use ?

   (c) What is an octal number ? How can an octal number be converted into a decimal number ?

   (d) Differentiate between a field, record and a file.

   (e) What is the difference between a variable and a constant ?

   (f) What are the data types available in C ?

   (g) What are the advantages and problems of using pointers ?

   (h) What is Standard Deviation ? What is its purpose ?

SECTION—B

Note :– Attempt any **two** questions. Answer to each question can be upto **5** pages in length. Each question carries **10** marks.

2. What do you mean by I/O devices ? Why do we need to have a variety of I/O devices with computers ?

3. What is a Decision Table ? What are the components of a decision table ? Discuss the rules of drawing decision tables.

4. What do you mean by problem analysis ? Discuss the phases in problem analysis in detail.

5. Elaborate in detail the sequential access files.

SECTION—C

Note :– Attempt any **two** questions. Answer to each question can be upto **5** pages in length. Each question carries **10** marks.

6. Explain with examples the representation of numeric and non-numeric data.

7. What are the various sequencing and alteration control structures ? Discuss with suitable examples.

8. What is the difference between Array of Pointers and Pointer to an Array ? Explain with the help of suitable examples. Also show the declarations for both the concepts.

9. Write a program to evaluate polynomials of the form :

$$a_n x^n + a_{n-1} x^{n-1} + \ldots\ldots\ldots + a_1 x + a_0$$