

Exam. Code : 304302

Subject Code : 6827

**P.G. Dip. in Business Management Semester—II**

**COMPUTER PROGRAMMING**

**Paper—PGDBM-205**

Time Allowed—3 Hours] [Maximum Marks—50

**Note :** Attempt any **FIVE** questions from Section A. Answer to each question should not exceed **five** lines (fifty words). Each question carries **2** marks. Attempt **TWO** questions each from Section B and C. Answer to each question should not exceed **five** pages. Each question carries **10** marks.

**SECTION—A**

1. Attempt any **five** questions :
  - (a) Differentiate between RAM and ROM.
  - (b) What is a Binary number ? How is a binary number converted into decimal ?
  - (c) What is the difference between fields, record and a file ? Give an example.
  - (d) What is a Decision table ?
  - (e) What is a Variable ? How is a variable different from a constant ?
  - (f) Discuss the rules of hierarchy for arithmetic expressions.

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- (g) What is a conditional operator in C ? Give an example.
- (h) What is the relationship among mean, median and mode ?

### SECTION—B

2. What is a Computer ? Draw a simple model of a computer and discuss its working.
3. What are the various I/O devices used with computers ? Discuss each in brief.
4. Draw a flowchart to find the roots of a quadratic equation.
5. Explain in detail the characteristics, advantages and limitations of random-access files.

### SECTION—C

6. Discuss how numeric and non-numeric data is represented in computers.
7. What are the various alteration constructs used in C ? Discuss each with an appropriate example.
8. What is an Array ? What are the advantages and limitations of arrays ? How is an array defined in C ? Write a C program to find the largest number from an array of 10 integers.
9. Write a C program to solve the series  $1+2+3+4+5+\dots+n$ .