

Exam. Code : 304302

Subject Code: 5201

P.G. Dip. in Business Management Semester-II

COMPUTER PROGRAMMING

Paper-PGDBM-205

Time Allowed—3 Hours]

[Maximum Marks—50

Note :— Attempt **FIVE** questions in Section-A. Each question carries 2 marks. Attempt **TWO** questions each from Section-B and C. Each question carries 10 marks.

SECTION-A

1. (a) What is a Flowchart? What are its Symbols?
- (b) What is CPU? What does a CPU do?
- (c) Explain how a decimal number is converted into binary, octal and hexadecimal.
- (d) How character data is represented in Computers?
- (e) What is a Constant? How is a constant declared in C?
- (f) What is Conditional Statement? Give examples.
- (g) What is a Pointer Variable? How pointers are declared in C?
- (h) Discuss the relationship between mean, median and mode.

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SECTION-B

2. What is an Algorithm ? What are its characteristics ? Discuss a simple model of a Computer to illustrate how it executes an algorithm.
3. What do you mean by Computer Memory ? What is the difference between Primary Memory and Secondary Memory ? Discuss and differentiate between RAM and ROM.
4. What is Problem Analysis ? Discuss the process of problem analysis in detail.
5. Explain the processing of random-access files in detail.

SECTION-C

6. What are the various arithmetic expressions used in C ? Discuss each with an example.
7. Discuss the various looping constructs available in C.
8. What is an Array ? What are the uses of Arrays ? How is an array defined and accessed in a C program ?
9. Write a C program to find the standard deviation of a series of data.