

**Exam. Code : 304302**

**Subject Code : 5398**

**P.G. Diploma in Business Management 2<sup>nd</sup> Semester**

**COMPUTER PROGRAMMING**

**Paper—PGDBM-205**

Time Allowed—Three Hours] [Maximum Marks—50

**Note** :—Candidate is required to attempt **FIVE** questions, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

**SECTION—A**

1. What is an algorithm ? How is an algorithm executed by a Computer System ?
2. What is volatile and non-volatile memory ? Compare both of them with suitable example.

**SECTION—B**

3. Why the flow chart and decision table are used in Computer Programming ? Make a flowchart to add and subtract two numbers.
4. Compare Random access files vs Sequential access files.

**SECTION—C**

5. How are integers and real numbers stored and represented in a Computer System ? Explain taking examples for integer and real numbers.
6. (a) What are different rules used for variable name and constant names ? 3
- (b) Which of the following variables are valid : abc, 1mohd, \_temp, \$12a ? 3
- (c) What is the output of this arithmetic expression ?  
 $2*3/5+3$  2

**SECTION—D**

7. What are arrays and pointers ? How is array accessed using a pointer ? Show with an example.
8. What is mean, mode and median ? Find the mean, median, mode and range for the following list of values : 13, 18, 13, 14, 13, 16, 14, 21, 13.