

AE-1339

B.C.A. Old Course (Part-II)
Term End Examination, 2016-17

Paper - II

Programming Concepts and Languages

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 40

Note : Answer **all** questions. All questions carry equal marks. Any missing data may be suitably assumed.

Unit-I

1. Write an algorithm for Bubble sorting.

OR

2. Write an algorithm for binary searching.

Unit-II

3. What is flow chart ? Explain all symbols of flow chart with appropriate example.

OR

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4. What do you mean by Top-down Structured Programming ? Explain with an example.

Unit-III

5. What is queue data structure ? Explain all operations of Queue.

OR

6. What is graph data structure ? Explain direct and indirect graph.

Unit-IV

7. What is COBOL programming ? Write a short note.

OR

8. Write a COBOL programme to compute the mark sheet of a student.

Unit-V

9. What is painter ? List out the advantages of a painter.

OR

10. Explain *if* and *else* structure with an example.