II Semester B.C.A. Examination, May 2017 (F + R) (CBCS) (2014-15 and Onwards) COMPUTER SCIENCE

BCA 204 : Database Management System

Time: 3 Hours

Max. Marks: 70

Instruction: Answer all Sections.

SECTION - A

Answer any ten questions. Each question carries two marks.

 $(10 \times 2 = 20)$

- 1. Define DBMS. Mention one application of DBMS.
- 2. Define Query. Give an example.
- 3. Define Schema and an Instance.
- 4. Define Entity and Relationship.
- 5. Define Data Independence.
- 6. What is RAID?
- 7. Explain Functional dependency.
- 8. Explain Domain and Tuple.
- 9. Explain Commit and Rollback commands.
- 10. Explain database Triggers.
- 11. Explain dirty read related to transaction processing system.
- 12. What is concurrency control?

SECTION - B

Answer any five questions. Each question carries ten marks.

(5×10=50)

13. a) Explain the advantages of DBMS.

5

b) Explain different people behind DBMS.

5

P.T.O.

b) Explain different types of cursors.

20. a) Explain serial and non serial schedules.

b) Explain lock and unlock operations for binary locks.

5

5

5

5