

20.08.2019

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27

BCA III SEMESTER

MID SEMESTER EXAMINATION: AUGUST 2019

CA 3418- DATABASE MANAGEMENT SYSTEM

Time- 1 hour

Max Marks-30

This paper contains one printed page

Answer any five questions from the following:

- 1) Explain 3 schema architecture with a neat diagram
- 2) a. Mention the various database end users(4)  
b. Explain the role of Database Administrators(2)
- 3) What is an index? Explain any one type of single level ordered index
- 4) Define an attribute. Explain the different types of attributes with an example.
- 5) What are the various database languages? Write about DCL commands with appropriate syntax and example.
- 6) a. Mention the properties of a transaction. Explain.(4)  
b. What is existence dependency in structural constraint? (2)
- 7) Explain two-phase locking protocol