

# ADIKAVI NANNAYA UNIVERSITY

At the End of Fifth Semester (CBCS Pattern)

Degree Examination

**OCTOBER 2018**

Computer Applications – V (A)

**DATA BASE MANAGEMENT SYSTEMS**

(Common for B.A. (CA), B.Sc. (CS), B.Sc. (CA))

Time : 3 Hours

Max : 75 Marks

**Section A** (5 × 5 = 25 Marks)

*Answer any five questions.*

1. What are the advantages and disadvantages of DBMS ?
2. Explain the concept of entity and entity set with suitable example.
3. What are the Advantages of Relational Algebra ?
4. Explain the selection command with an example.
5. Explain the structure of PL/SQL
6. What the components of DBMS ? Explain.
7. Explain about set operations.
8. Explain about sub-queries.

**Section B** (5 × 10 = 50 Marks)

*Answer all questions.*

1. (a) Explain the difference between File System and Database Approach.

(Or)

- (b) Explain the three level architecture of DBMS.

2. (a) What is Data Model ? What are the various data models available for database systems ?

(Or)

- (b) What is EER Model ? Explain Constraints on Specialization and Generalization.

3. (a) What is key ? Explain different types of keys used in a relational database.

(Or)

- (b) Explain various types of Relational Calculus.

4. (a) Explain different types of Operators in SQL.

(Or)

- (b) What is Nested Queries ? How to create them ? Discuss it with relevant example.

5. (a) What are the types of Cursors ? Discuss their attributes.

(Or)

- (b) What is a Package ? What does it contain ? Discuss.