

# ADIKAVI NANNAYA UNIVERSITY

At the End of Fifth Semester (CBCS Pattern)  
Degree Examination

**NOVEMBER 2017**

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 of the following questions.

1. What are the disadvantages of file processing system ?
2. Explain about various attribute classification.
3. What are the advantages of Relational algebra ? Explain.
4. List and explain SQL Data types.
5. Explain the structure of PL/SQL.
6. Explain about generalization and specialization.
7. What is a view ? How can it be created ? Explain with an example.
8. Define a package. Explain about it with syntax and example.

**Section B** (5 × 10 = 50 Marks)

Answer all the questions.

1. (a) With a neat diagram, explain the architecture of a DBMS.

(Or)

(b) Explain about Data Models.

2. (a) What is ER-Modeling ? Write advantages and disadvantages of ER-Modelling.

(Or)

(b) Explain basic building block of ER-Modelling.

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3. (a) What is relational model ? Write about key features of relational model.

(Or)

(b) Explain about E.F. Codd's Relational database rules.

4. (a) What is SQL ? Explain different types of commands in SQL.

(Or)

(b) Explain different types of join and set operators in SQL.

5. (a) What are cursors ? How to create them ? Explain.

(Or)

(b) Explain exception handling mechanism in PL/SQL.

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