

ADIKAVI NANNAYA UNIVERSITY
RAJAHMUNDRY

B.A. III Year

Model Question Papers
(w.e.f. 2013-14 Admitted Batch)

COMPUTER APPLICATIONS

Paper 3: Database Management Systems

Time: 3 hours

Max Marks: 80

SECTION - A

Answer ALL questions.

4X15=60

1. a) What is Database system? Explain file oriented Database?
(Or)
b) Explain different Data Models and their importance?
2. a) What is the Extended Entity Relationship Model and explain how to develop ER diagram with example?
(Or)
b) What is the need for normalization on Database Design?
3. a) Explain different commands of DDL and DML with an example?
(Or)
b) Explain the difference between Sub Queries and Correlated Queries?
4. a) Explain about the System Development Life Cycle?
(Or)
b) Explain about the Distributed Database Design?

SECTION – B

4X5=20

Answer any FOUR Questions

5. Explain about Data Dictionary?
6. What is DBMS and its advantages?
7. Explain about the star schema?
8. Explain SQL join operators?
9. Explain about the De normalization?
10. Write about Database Recovery management?
11. Centralization vs Decentralization?
12. Explain about Database Administrator?

Paper 4: Java Language

Time: 3 hours

Max Marks: 80

SECTION - A

Answer ALL questions.

4X15=60

1. a) Explain different features of Object Oriented Programming?
(or)
b) Write a short notes on simple JAVA Program Structure?
2. a) Explain different data types in JAVA?
(or)
b) Write a short notes on different Operators?
3. a) Explain different decision making statements with an example?
(or)
b) Write a short notes on Looping Statements?
4. a) Explain the concept of inheritance with an example?
(or)
b) Write a short notes on overloading and overriding?

SECTION – B

4X5=20

Answer any FOUR Questions

5. Data Encapsulation?
6. Advantages of Object Oriented Programming?
7. Type Casting?
8. Write a program to swap two numbers?
9. Define Class?
10. Data Abstraction?
11. Constructor and destructor?
12. Internet?