

ADIKAVI NANNAYA UNIVERSITY
RAJAHMUNDRY

III BCA

Model Question papers
(W.e.f. 2013-14 Admitted Batch)

Paper-1 Database Management Systems

Time: 3 hours

Max. Marks: 80

SECTION -A

Answer All Questions.

4X15=60

- 1) a) What is Database system? Explain what the problems with File system data management are.

(Or)

- b) Explain the importance of Data Models.
c) Explain the Relational Set Operators.
- 2) a) What is the Extended Entity Relationship Model.
b) Explain how to develop ER diagram with example.

(Or)

- c) What is the need for normalization on Database Design?
d) Explain about the Design cases.
- 3) a) Explain about the System Development Life Cycle.
b) What is the difference between DDL and DML with an example?

(Or)

- c) Explain the difference between Sub Queries and Correlated Queries.
d) Explain about Database Design Strategies.
- 4) a) Explain about the levels of Data Process Distribution.
b) Explain about the Distributed Database Design.

(Or)

- c) Explain about Database Administration Tools.
d) Explain briefly about OLAP.

SECTION –B

Answer any Four questions.

4 x 5=20

- 5) Explain about Data Dictionary.
- 6) What is DDMS and its advantages?
- 7) Explain about the star schema.
- 8) Explain SQL join operators.
- 9) Explain about the Renormalizations.
- 10) Write about Database Recovery management.
- 11) Explain transaction management and concurrency control.
- 12) Explain about Database Administrator.