

- (iii) MAX
- (iv) MIN
- (v) MOD
- (vi) CEIL
- (vii) TRUNC
- (viii) LPAD.

8

9. (a) Explain PL/SQL block structure with suitable example. 4
- (b) What is cursor ? Explain various attributes of cursor. 5
- (c) Explain the control structure of PL/SQL. 3

OR

10. (a) Explain :—
- (i) ROLLBACK (ii) COMMIT 4
- (b) Explain different data types of PL/SQL. 5
- (c) Explain constant and variables with one example each. 3

AP – 550

Third Semester B. C. A. (Part – II) Examination

DATABASE MANAGEMENT SYSTEM

3 ST 3

P. Pages : 4

Time : Three Hours]

[Max. Marks : 60

- Note :** (1) All questions are compulsory.
 (2) Assume suitable data wherever necessary.

1. (a) Describe the architecture of database management system. 6
- (b) Explain the Relational database model with its advantage. 6

OR

2. (a) What is Database Management System ? Give its advantages. 6
- (b) Explain :—
- (i) Data abstraction and
- (ii) Data integration. 6
3. (a) What is normalization ? Explain BCNF. 6



- (b) What is Entity – Relationship model ? Explain the benefits of E–R diagram. 6

OR

4. (a) Explain :—
 (i) Relation
 (ii) Keys
 (iii) Attributes 6
- (b) What is functional dependency ? Explain. 6
5. (a) Explain following commands with suitable example :—
 (i) SELECT
 (ii) ALTER TABLE
 (iii) UPDATE 6
- (b) What is view ? How view can be created and dropped ? 6

OR

6. (a) Explain the following clause with example
 (i) Order by (ii) Having (iii) Group by. 6

- (b) What is Operator ? Explain EXIST and LIKE operator with suitable example. 6

7. (a) What is Join ? Explain equi–join with suitable example. 4
- (b) Explain :—
 (i) SQRT
 (ii) SIGN
 (iii) LOG
 (iv) FLOOR
 (v) COUNT
 (vi) LENGTH
 (vii) LOWER
 (viii) LTRIM. 8

OR

8. (a) Explain the Conversion Functions with one example each :—
 (i) TO – NUMBER (ii) TO – CHAR 4
- b) Explain :—
 (i) UPPER
 (ii) INSTR