

S.No. 1698

12UCS09

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Sixth Semester

Computer Science

RELATIONAL DATABASE MANAGEMENT
SYSTEMS

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is database?
2. What do you mean by weak entity?
3. What is indicated by null values?
4. What is dynamic SQL?
5. Define trigger.
6. Mention the purpose of referential integrity.

7. List out the comparison between 1NF and 2NF.
8. Pen down the various pitfalls in relational database design.
9. What is object oriented database?
10. What do you mean by complex object?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write short note on purpose of database system.

Or

- (b) Explain about transaction management.

12. (a) Discuss about various set operation with example.

Or

- (b) Write a note on nested sub queries.

13. (a) Discuss about assertions.

Or

- (b) Write about authorization in SQL.

14. (a) Describe about first normal form.

Or

- (b) Pen down the goal of normalization.

15. (a) Describe about complex data types.

Or

- (b) Compare object oriented with object relational.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Classify and explain the different types of database users and administrators.

17. Discuss the concepts which are considered during the modification of the database in detail.

18. How can we create user domain? Explain.

19. Discuss in detail about various pitfalls in relational database design.

20. State the concepts of object relational database.