

## Questions

1. What are the components of ER diagram? Explain the functions of various symbols used in ER diagram. Construct an ER diagram to store data in a library of your college.
2. Explain the use of primary key & foreign key in DBMS with example. What is the role of foreign key?
3. What is the difference between Entities and Entity Sets? Explain with example.
4. Construct an ER diagram for online book store where customers buy book online.
5. What do you mean by ER model? Explain strong & weak entity set.
6. Construct an ER diagram to maintain data about students, instructors, semester, and courses in a college.
7. What is relational database? Explain different characteristic of a relation. Define domain constraint.
8. What are informal design guidelines for relational schemas?
9. What is integrity? Explain different types of database integrity.
10. Differentiate between Integrity and Security with example.
11. Define Integrity Constraint? Discuss domain constraint with suitable example.
12. Define Referential integrity with example.

Deadline: 2024-08-09