



K23U 2029

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/  
Improvement) Examination, April 2023  
(2020 Admission Onwards)  
COMPLEMENTARY ELECTIVE COURSE IN LIFE SCIENCES (ZOOLOGY)  
AND COMPUTATIONAL BIOLOGY  
2C02 CSC-ZCB : Database Management systems**

Time : 3 Hours

Max. Marks : 32

**PART – A  
(Short Answer)**

Answer **all** question. **Each** question carries **1** mark. (5×1=5)

1. What is Entity ?
2. What is a Data in the context of database ?
3. Explain Domain.
4. Name any 2 types of keys.
5. What is BCNF ?

**PART – B  
(Short Essay)**

Answer **any four**, **not** exceeding **75** words. **Each** question carries **2** marks. (4×2=8)

6. Explain the purpose of a database system.
7. What are primary keys ? Explain with example.
8. Differentiate attributes and functions.
9. What is meant by Field ?
10. Discuss E-R models.

P.T.O.



PART – C  
(Essay Questions)

Answer **any three**, not exceeding **150** words. **Each** question carries **3** marks.  
(3×3=9)

11. Discuss the role of database administrator.
12. What is the use of DML ?
13. Explain create and drop.
14. Explain the role of Keys in a database.
15. Discuss Tuples.

PART – D  
(Long Essay)

Answer **any 2**, not exceeding **300** words. **Each** question carries **5** marks.  
(2×5=10)

16. Write syntax of SQL Order By and Group By clauses.
  17. Discuss the structure of a database with a neat diagram.
  18. Explain in detail fundamental relational algebra operations.
  19. Discuss in details the use of normalisation in a database.
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