

Code No.14640/CBCS

**FACULTY OF ENGINEERING**

**B.E. V – Semester (CSE) (CBCS) (Backlog) Examination, July 2021**

**Subject: Database Management system**

**Time: 2 Hours**

**Max.Marks: 70**

**Note: Missing data, if any, may be suitably assumed**

**PART – A**

**Answer any five questions.**

**(5x2=10 Marks)**

- 1 Write about data mining analysis.
- 2 What is an attribute?
- 3 What is a phantom record? Why do they occur?
- 4 What is RDBMS?
- 5 What is join?
- 6 What is a checkpoint in DBMS?
- 7 What is ARIES?
- 8 Define DDL and DML.
- 9 What is the purpose of group clause?
- 10 What is SQL?

**PART – B**

**Answer any four questions.**

**(4x15=60 Marks)**

- 11 Explain the following with an example entities, attributes and relationship?
- 12 Discuss in detail the basic structure of SQL?
- 13 Discuss in detail the advanced SQL features?
- 14 Compare static and dynamic hashing show the extendable hash structure for the search key values 2,3,5,7,11,17,19,23,29,31 where  $h(x)=x \bmod 8$  and buckets can hold 3 records.
- 15 Discuss in detail the log-based recovery?
- 16 a) Write about weak levels of consistency with example.  
b) List out the functions of DBA? Explain it briefly?
- 17 Write short notes on:  
(a) Database system structure  
(b) Database languages