

**AA-1340**  
**(008) B.Com. Part-II (10+2+3)**  
**Term End Examination, 2021-22**  
**(Relational Database MGT. System)**  
**(Paper-II)**

**Time : 3 hrs. ]**

**[ Maximum Marks : 50**

**Note** – *Answer any five questions. All questions carry equal marks.*

1. Explain architecture of DBMS.
2. Write the steps to convert ER-model into relations.
3. Explain fundamental operations of relational algebra.
4. Write about 2NF, 3NF & 5NF.
5. Explain various types of keys.
6. What do you mean by de-normalization ? What is decomposition.
7. Write about any five clauses which can be used with select command ?
8. Write the sql command for following given relation is :  
Student (roll no., name, class, section, city, state)
  - (a) All students who live in Raigarh.
  - (b) Names of all students starting with letter 'B'.
  - (c) List of all students from class - B.Com and Section-II.
  - (d) Modify the city - Bilaspur for all students whose current city - Champa.
9. What are various ways to grant roles and privilege and with draw back ?
10. What are triggers in PL/SQL ? Explain with example.