

*Q4. Drawback of traditional file processing system. Or explain disadvantages of conventional file-based system compared to database management system.*

*Q5. Explain advantages and disadvantages of DBMS.*

*Q6. List out the difference between file processing and DBMS.*

*Q7. Write in detail about applications of DBMS.*

*Q10. Explain data independence.*

*Q11. Write about DBMS system architecture and components of DBMS.*

*Q12.*

*Write*

*about*

*Database*

*Administrator*

*and*

*functions*

*of database*

*administrations.*

*Q2. Explain E-R model and its components. Explain weak and strong entity set.*

*Q3. Explain relationships and its degree.*

*Q4. List symbols used in ER diagram and its representations.*

*Q5. Explain mapping cardinality in ER diagram and participation constraints & its types.*

*Q7. Define attributes and its types. Explain relationship attributes.*

*Q9. Explain all keys used in DBMS.*

*Q11. Explain generalization, specialization, aggregation and constraints on generalization.*

*Q4. Explain tuple, table, attribute, domain, and properties of relational database.*

*Q5. Explain CODD's rule (All 12 rules) in detail.*

*Q6. Explain relational schema.*

*Q7. Explain types of keys in DBMS with suitable example.*

*Q9. Explain selection and projection operators in relational algebra with suitable example.*

*Q10. Explain all types of join operator with suitable example in relational algebra.*