

**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.**

