

Information System Questions

1. What is an information system? Explain its main components.
2. Describe the difference between **data**, **information**, and **knowledge** with examples.
3. Explain how a **Transaction Processing System (TPS)** works in a bank.
4. What are the advantages of using **Management Information Systems (MIS)** for managers?
5. Differentiate between **operational-level systems** and **strategic-level systems**.
6. Explain with an example how **Decision Support Systems (DSS)** help managers.
7. What is the role of **Enterprise Systems (ERP)** in organizations?
8. Describe how **information systems** support day-to-day operations in a retail shop.
9. What is the difference between **CRM** (Customer Relationship Management) and **SCM** (Supply Chain Management)?
10. How do information systems help in **making business decisions**?
11. Explain the relationship between **business processes** and **information systems**.
12. Describe the main challenges organizations face when **implementing a new IS**.
13. What is an example of an **e-commerce information system**?
14. How do **information systems** help in improving **communication** inside an organization?
15. What is the role of **databases** in information systems?
16. Differentiate between **manual systems** and **computerized information systems**.
17. Explain with examples the concept of **automation** using information systems.
18. What is meant by **system integration** in information systems?

19. How do **cloud-based information systems** differ from traditional ones?
20. Why is **information security** important in IS? Give two examples of threats.

Advanced Questions

1. Explain how an organization's business strategy influences the design of its information system.
2. Differentiate between **transaction processing systems (TPS)** and **management information systems (MIS)** with examples.
3. Discuss how **Enterprise Resource Planning (ERP)** integrates different business processes in an organization.
4. What are the challenges in aligning **information systems strategy** with **business goals**?
5. Explain the role of **data warehouses** in supporting decision-making.
6. How does **business intelligence (BI)** transform raw data into actionable insights?
7. Compare **structured data** and **unstructured data** in information systems, and explain how organizations handle both.
8. Describe how **cloud computing** has changed the way organizations manage their information systems.
9. Evaluate the risks and benefits of using **outsourcing** for IT and IS services.

10. How do information systems support **supply chain management (SCM)**? Provide real-world examples.
11. Explain the concept of **knowledge management systems (KMS)** and how they add value to an organization.
12. Discuss how **Customer Relationship Management (CRM)** systems improve customer engagement.
13. How can **big data analytics** enhance competitive advantage in modern organizations?
14. Describe the importance of **information security** in IS and the challenges of maintaining it.
15. Explain the role of **Artificial Intelligence (AI)** in decision support systems.
16. Compare the difference between **operational, tactical, and strategic information systems**.
17. How do **enterprise systems** enable cross-functional integration in businesses?
18. Describe the impact of **mobile technologies** on modern information systems.
19. Discuss the ethical issues that arise from the use of information systems in organizations.
20. How does **digital transformation** reshape traditional industries through the use of IS?