

ILO17013: Management Information System

Module 1: Introduction To Information Systems (IS)

- Q1) Explain how Information Technology has changed the way business was done 30 - 40 years ago. Give examples to support your answer.
- Q2) Define : -
- a) Information Technology
 - b) Information Systems
- Q3) What is the difference between data , information and knowledge, support your claim with appropriate examples.
- Q4) What are the benefits of being an informed user of IT ?
- Q5) Write about 2 job roles that would be available for engineering graduates who along with expertise in the core domain and have a minor degree in Information Technology.
- Q6) What are the different components of Information Systems, explain each of them.
- Q7) What are the different types of Information Systems?
- Q8) Explain the Computer Based Information System.
- Q9) What is the Impact of IT on Organization, illustrate with at least 2 examples.
- Q10) Explain what is a competitive advantage with help of examples.
- Q11) What is a business process? Give example
- Q12) Explain the difference between Internal and External customer, Give example.
- Q13) Explain with examples the difference between efficiency and effectiveness.
- Q14) What is a cross-functional process, explain with an example.
- Q15) What is the difference between Business Process Reengineering and Business Process Improvement, give examples of each.
- Q16) What is business pressure ? Explain the different business pressures with help of example.
- Q17) What are different ways in which the organization can respond to business pressure.
- Q18) Explain the Porter's Competitive Force model.
- Q19) Explain the Porter's Value chain model
- Q20) What are the different strategies deployed by the organization to gain competitive advantage.

Module 2 : Data and Knowledge Management

- Q1) What are the difficulties encountered by the organization in managing the data?
- Q2) What is data governance ? What are the strategies deployed for data governance
- Q3) What is Big Data? Explain the characteristics of big data.
- Q4) What are the different types of data models used in databases?
- Q5) Explain the following with example:
- a) Database Management System
 - b) Relational database management system
 - c) Normalization
 - d) Knowledge Management

- Q6) Compare and contrast Data warehouse and Data Mart
- Q7) Explain Data warehouse framework
- Q8) Explain the different types of Knowledge Management
- Q9) Explain the KMS cycle
- Q10) Explain the term "Management" with example.
- Q11) What is Decision making and how decision making works?
- Q12) What is Business Intelligence and what are different aspects of BI
- Q13) What is Data Mining ? How is data mining important for an organization to meet business goals.
- Q14) Explain the following terms :
- a) Sensitivity Analysis
 - b) What-If Analysis
 - c) Goal Seek Analysis