Module 1: Data and Information

1.1 Distinguish between data and information. Give two examples of data and information obtained by processing data.

1.2 Give two examples of non-arithmetic data processing.

1.3 What is the main difference between strategic and tactical information? If an information system is to be designed for a hospital, what would be the strategic and tactical information?

1.4 What is operational information? In what way is it different from strategic information? For hospital information system what would be the operational information required?

1.5 What is statutory information? What statutory information is expected from a hospital?

1.6 What type of statutory information is to be provided by a small scale industry?

1.7 What would you think are the strategic, tactical and operational information needed by an Electric Power Generation Corporation?

1.8 What would be the strategic, tactical and operational information needs of a State Road Transport Corporation?

1.9 What do you think are the functional management areas in a large University?

1.10 What do you think are the functional management areas in a large student hostel?

1.11 What would be the strategic, tactical and operational management responsibility assignments in a large hostel? What type of information would be needed for managing the kitchen of the hostel?

1.12 Give an example of incomplete information.

1.13 What is the difference between accuracy and trustworthiness of information?
1.14 Is up-to-date information always timely? If not, give an example of up-to-date but not timely information.

1.15 Does an attractive format of a report necessarily imply that it is relevant?

1.16 Why are organizations divided into departments and sections?

1.17 What are the primary functions of a marketing department of an organization?

1.18 In what ways do different departments in an organization interact? Give an example.

1.19 Enumerate some functions which are common among many organizations.

1.20 Enumerate some functions which are common between a hostel and a hospital.

1.21 Explain how data will be processed to meet the functional requirements of a purchase department.

1.22 Explain how data will be processed in a bank when a cheque is presented by a customer and payment made to him (assume that the bank uses computers).

1.23 Why is editing important in data entry?

1.24 What is the difference between on-line transaction processing and batch processing?

1.25 When is batch processing preferred?

1.26 What is the basic difference between business data processing systems and MIS?

1.27 What type of information is provided by MIS?

1.28 What is the difference between MIS and DSS?

1.29 What will an MIS provide in a marketing function?

1.30 What will a DSS provide in a marketing function?

1.31 What do you understand by archival data? How can archival data be used?

1.32 What is data mining? Give an example of data mining.