

**Course: Information system and data processing**  
**Program: BS (SE)**  
**Instructor: Muhammad Abrar Khan**  
**Examination: Midterm Assignment**  
**Total Marks: 30**  
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**Note:** Attempt all questions. Use examples and diagrams where necessary.

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**Section(B)SE**

**Q.1**

**a) Why we define different needs before taking any task, elaborate your answer.**

Ans : Before starting a business a person needs to have information about the market , market need , public choice , self assets,feature and uses of the products and proper management of assets.

These information can be obtained from competetors, public need and attraction, nowadays internet and electronic media is a very easy and sustainable source.

**b) What information is required if a person is thinking to start a specific business, also discuss different sources of information.**

Ans : Before taking any task we define our needs to complete the task

For example we have a task to charge a mobile for this task our need is charger and electricity. Without having charger and electricity we cant complete our task therefore we define our needs before taking any task.

To complete any task there are needs and requirement of it maybe the requirements are minor or maybe they are majors as I explained a task of charging a mobile.

**Q.2**

**What is organization? Explain different types of organization in detail.**

Ans : **Organization :**

Organization means a group of people working for defined objectives. Organization can be explained as a social system with formal relations which distribute work for there employee under a proper channel and responsibility for every employee with a proper management.

## **Types of organization**

- **Line Organization :**

The simplest and effective type of organization in which the authority flow from the highest level executive to the lowest level employee.

- **Functional organization :**

By functional organization means the division of operations in group on the base of specialization.

- **Line and staff organization :**

Line and staff organization is the updated form of line organization. In this type of organization the staff is supervised by a specialist and a supervisor.

### **Q.3**

What are the difference between Data and Information? Give detail with proper examples and explanations.

Ans : **Data :**

Data is raw figure.

It is a set of values.

It is unanalyzed information.

**Example :** Previous temperatures of an area is a data.

**Information :**

Analyzed form of data is called information.

It is a set of data.

**Example :** To find temperature rising from previous temperature is information.