**Assessment questions chapter 4**

**Section A**

1. Which phase of the system development life cycle involves using flowcharts to diagram how information flows through the proposed system? (1 mark)
2. Planning
3. Analysis
4. Implementation
5. **Design**
6. The data Flow Diagram is a basic component of which of the following? (1mark)
7. Conceptual model
8. **Logical model**
9. Physical model
10. None of the above
11. The major goal of requirement determination phase of information system development is? (1mark)
12. determine whether information is needed by an organization
13. **determine what information is needed by an organization**
14. determine how information needed by an organization can be provided
15. determine when information is to be given
16. The project manager has selected you to explain the main objective of a feasibility study, what would you say? (2 marks)

**The main objective to assess if it is possible to meet the requirements specified subject to constraints of budget, human resource and hardware**

1. SRS document contains five steps of writing. State them below (5marks)
2. **Create an outline**
3. **A purpose**
4. **An overall description**
5. **Specific requirements**
6. **Get approval**
7. While developing a system there are four types of design, State and explain them below. (8marks)

**Logical design**

***Logical design pertains to an abstract representation of the data flow, inputs, and outputs of the system. It describes the inputs (sources), outputs (destinations), databases (data stores), procedures (data flows) all in a format that meets the user requirements.***

**Physical design**

***Physical design relates to the actual input and output processes of the system. It focuses on how data is entered into a system, verified, processed, and displayed as output.***

**Architectural Design**

***It is also known as high level design that focuses on the design of system architecture. It describes the structure and behavior of the system. It defines the structure and relationship between various modules of system development process.***

**Detailed design**

***In detailed system design, every system needs to be broken down to ascertain all activities required and their respective inputs and outputs***