**Software Engineering Assignment**

**MODULE: 1**

Ques. 1

Answer : Software is a set of instructions, data or programs used to operate computers and execute specific tasks. It is the opposite of hardware, which describes the physical aspects of a computer. Software is a generic term used to refer to applications, scripts and programs that run on a device.

Software engineering is the branch of computer science that deals with the design, development, testing, and maintenance of software applications.

Ques. 2

Answer : It is a collection of data that is given to the computer to complete a particular task.

**Types of Software**

1. **System Software**
   * Operating System
   * Language Processor
   * Device Driver
2. **Application Software**
   * General Purpose Software
   * Customize Software
   * Utility Software

Ques. 3

Answer : SDLC is focused on software development and stand for Software Development Life Cycle.

Ques. 4

Answer : DFD is the abbreviation for Data Flow Diagram. The flow of data of a system or a process is represented by DFD.

***REQUEST FOR LOGIN***

***REQUEST FOR REGISTRATION***

**ADMIN**

**USER**

**RESPONSE**

**RESPONSE**

Ques. 5

Answer : A flowchart is step by step solution of any program or problem.

: Start / End

: Input / Output

: Process

: Connector

: Flow Direction

: Decision

**Addition Flowchart**

a , b

Sum = a + b

Print sum

Ques. 6

Answer : Use-case diagrams describe the high-level functions and scope of a system. These diagrams also identify the interactions between the system and its actors.

SYSTEM

SERVICE

PROVIDER

ADMIN

REGISTER

USER

VISITOR