**Assignment-1**

Q-1 Compare Waterfall, Prototype, Iterative Enhancement, Evolutionary Development, Spiral and RAD software life cycle model based on characteristics of requirements. [5 marks] [CO1]

Q-2 Draw a DFD for result preparation automation system of B.Tech courses of any university. Clearly describe the working of the system. Also mention all assumptions made by you. [5 marks] [CO2]

Q-3 What are the components of a use case diagram. Explain their usage with the help of drawing library management system of university. [5 marks] [CO2]

Q-4 Discuss the significance and use of requirement engineering. What are the problem in the formulation of requirements? [5 marks] [CO1]