1. Bharat Interface for Money (BHIM) is a payment app that lets you make simple, easy and quick transactions using Unified Payments Interface (UPI). You can make direct bank payments to anyone on UPI using their UPI ID or scanning their QR with the BHIM app. You can also request money through the app from a UPI ID. BHIM is a unique payment solution which can be used without internet as well. You can dial *99# from any phone and avail the same features of BHIM on your mobile screen. You can also register for BHIM using *99#. Use your experience with using BHIM app(or any similar payments app) for providing your software design as follows.
   Construct context diagram, level 1 DFD, level 2 DFDs, Module structure chart, and data dictionary.
   (3+4+6+4+3)

2. Answer the following briefly. (3x5 = 15 marks)
   1. List elements of UML sequence diagram giving proper notations along with its meaning.
   2. List types of relationships modelled in UML class diagram giving proper notations and its meaning.
   3. Summarise details depicted in any textual representation of a UML usecase.
   4. Differentiate: Decision Tree vs. Decision Table.
   5. How are UML usecase, class, object, and sequence diagrams related to each other?