1. Explain the following terminologies. (20%)
   (a) Session; (b) SSL; (c) Shareware; (d) Grid Computing; (e) RFID

2. How are client/server, peer-to-peer, and P2P networks different? (10%)

3. What is a script, an applet, a servlet, and an Active control? Why are they used? (20%)

4. A database processing system usually consists of four basic components: user, database applications, database management system, and database. Give the functions for each component. (15%)

5. The OSI reference model of a network protocol standard is divided into seven layers. Give the name of each layer and the corresponding tasks handled on that layer. (15%)

6. What is the abstract data type? What is the difference between an abstract data type and an instance of that type? Give an example to explain your answer. (10%)

7. Describe how an array can be used to implement a queue in a high-level language. (10%)