



#### SECTION D

7. a) What are sockets? How are sockets represented in the Java programming language? Give Advantages and Disadvantages of Java Sockets?  
b) What are the differences between TCP and UDP? (6, 4)
8. a) What is JSP and why do we need it? Describe the life-cycle methods for a JSP.  
b) How can we handle the exceptions in JSP? (5, 5)

#### SECTION E

9. Write short notes on the following with help of example/diagram if needed: (2\*10=20)
- a) Service Method
  - b) Structure of JAVA program
  - c) Can abstract class have static methods in Java?
  - d) Pop up Menus
  - e) User defined exception
  - f) What are the differences between throw and throws?
  - g) Method Overriding
  - h) Difference between doGet and doPost Method.
  - i) Type Conversion
  - j) Command Line Arguments