

SECTION-II

- Q.4 (A) Explain the two ways to implement multithreading in java program. 6
 (B) Differentiate String class and StringBuffer class with explanation of their methods. 6
- OR
- (A) Describe the different stages in the life cycle of an applet. 6
 (B) What are the possible combinations of using *try* and *catch* for handling an exception. What is use of *Finally* statement? 6
- OR
- Q.5 (A) The Transport interface declares a deliverload() method. The abstract class Animal is the super class of the Tiger, Camel, Deer and Donkey classes. The Transport interface is implemented by the Camel and Donkey classes. Write a test program that initialize an array of four Animal objects. If the object implements the Transport interface, the deliverload () method is invoked. 7
 (B) Provide the type of exception thrown for each of the the following situations. 4
 a. Trying to access array element with invalid index.
 b. Trying to access object which has not been allocated memory location.
 c. Trying to store wrong type of data in array
 d. Trying to open a file but with a different name by mistake.
- OR
- (A) Explain exception handling in java. Write a program that generates custom exception if a string given from its command line arguments has a length greater than 20. 7
 (B) What are the two ways to acquire thread synchronization? 4
- Q.6 (A) Explain static method and static import. 4
 (B) A class called *Room* contains some data members and a method called *tellMeTotalRooms()*. This method always return total number of Room objects created till now. Write a java program to achieve this. 4
 (C) Explain how Vectors can be declared, initialized and altered. 4

~~~~~ *Best of Luck* ~~~~~