R13

Code No: 813AQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, October/ November - 2020
JAVA PROGRAMMING

Time: 2 Hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1. Explain various constructors in java and also explain constructor overloading concept.
    [12]

2. Write the features of java and explain them.   [12]

3.a) What is inheritance? Write its advantages and describe different types of inheritance.
  b) How do you implement multilevel inheritance in java, explain with an example.
    [6+6]

4.a) Explain about dynamic method dispatch with an example.
  b) Explain about local inner class and anonymous inner class.   [6+6]

5. Write a program to create random access file in java and display data in random from the created file.   [12]

6.a) Give the overview of any three collection interfaces with examples.
  b) Implement stack using linked list with the help of collection classes.   [6+6]

7. Design a java application to handle user defined exception.   [12]

8. Explain JCheckBox and JRadioButton classes with example program.   [12]

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