



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

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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