R17

Code No: 843AE

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

Time: 2 Hours   Max.Marks:75

Answer any five questions
All questions carry equal marks
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1. How objects oriented programming paradigm will help programmer the complexity? Explain with suitable example.   [15]

2. Describe various forms of inheritance with suitable code segments and also discuss the limitations and costs of inheritance.   [15]

3. How Java handles exceptions? Write a program to explain the usage of all five keywords in exception handling.   [15]

4. Write a program to handle keyboard events using delegation event model.   [15]

5. Discuss lifecycle of an applet and demonstrate parameter passing to applets. [15]

6.a) Differentiate between method overloading and method overriding
   b) What features of Java make it a robust language?   [7+8]

7.a) Differentiate between abstract class and interface.
   b) Java program performs I/O through streams. Discuss the two types of streams. [7+8]

8.a) Write a program to demonstrate the value( ) and valueOf( ) methods of enumeration.
   b) How to embed supplemental information into a source file? Explain with an example.
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