R17

Code No: 843AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, April/May - 2019
JAVA PROGRAMMING

Time: 3hrs   Max.Marks:75

Note: This question contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

5 × 5 Marks = 25

1.a) What is the significance of Java virtual machine?   [5]
  b) What are the uses of "final" keyword?   [5]
  c) What are the methods that support interthread communication?   [5]
  d) Explain Adjustment Event class.   [5]
  e) What is the difference between an applet and an application.   [5]

PART - B

5 × 10 Marks = 50

2.   List out various bitwise operators. Explain them with suitable examples.   [10]

OR

3.a) Distinguish between data abstraction and data encapsulation.
  b) Explain about the type conversion with an example.   [5+5]

4.a) What is a package? How will you define a package and import it.
  b) What are the benefits of Inheritance?   [5+5]

OR

5.   How does Java support multiple Inheritances? Explain with an example.   [10]

6.   What are thread priorities? Explain with suitable examples.   [10]

OR

7.   Explain is Alive() and join() methods of thread class with suitable example.   [10]

8.   Distinguish between Text Field and Text Area classes. List and explain various methods of those classes.   [10]

OR

9.   Write about layout managers.   [10]

10. Write an applet which will scroll "Java programming" from right to left across the applet's window.   [10]

OR

11. Explain J Check Box and J Radio Button classes.   [10]