R17

Code No: 843AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, February - 2021
JAVA PROGRAMMING

Time: 2 hours   Max.Marks:75

Answer any five questions
All questions carry equal marks
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1.   Compare and contrast object oriented programming & structured programming.   [15]

2.a)   What is the significance of "this" keyword in object oriented programming?
  b)   Differentiate between message and method.   [7+8]

3.a)   What is the difference between an interface and an API? Explain.
  b)   Explain about the method overriding with an example.   [7+8]

4.   Write a program which uses the class defined in another package which takes a matrix
      and returns determinant of it.   [15]

5.   What are checked and unchecked exceptions? Explain with example.   [15]

6.   Explain how synchronization is achieved among threads to access a shared resource.
                                                                                 [15]

7.   What is an applet? What are the methods that are called by AWT when an applet is
      initialized and terminated? Explain.   [15]

8.   Explain J Combo Box and J Tabbed Pane classes.   [15]

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