R13

Code No: 813AQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, July/August - 2021
JAVA PROGRAMMING

Time: 3 Hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1. What object oriented features are supported by Java language? Briefly explain with suitable code segments.   [12]

2.a) Write a program to demonstrate constructor overloading.
   b) Differentiate between Abstract classes and interfaces.   [7+5]

3. What is inheritance? What are the costs of inheritance? Explain hierarchical and multi-level inheritance.   [12]

4.a) Is every nested class an inner class? Justify your answer.
   b) What is the role of CLASSPATH variable for package usage?   [6+6]

5.a) Write a program to append a file content to another file, read the two file names as command line arguments.
   b) What is the need of string Tokenizer?   [7+5]

6. What is the support provided by Java for network programming through java.net package? Give an the overview.   [12]

7. How can a user define his/her own exception? Write a program to explain handling such exception.   [12]

8. What is an event? List various types of events and respective sources of events in event handling.   [12]

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