

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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