

Code No: 154BE**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech II Year II Semester Examinations, August/September - 2022****JAVA PROGRAMMING****(Common to CSE, IT)****Time: 3 hours****Max. Marks: 75****Answer any five questions
All questions carry equal marks**

- 1.a) Explain the concept of classes, objects and methods in OOP.
b) List and explain the benefits of OOPS. [7+8]
- 2.a) What is Multilevel Inheritance? Write a program to demonstrate multilevel inheritance.
b) Demonstrate with an example method overriding. [8+7]
- 3.a) Explain the various levels of protection provided to the variables or methods within classes, subclasses, and packages in java.
b) How to create packages and use them in java? Explain. [5+10]
- 4.a) Discuss the variables in interfaces and extending interfaces.
b) Give a brief note on the Stream classes. [8+7]
- 5.a) What happens when there is no suitable try block to handle an exception? Explain.
b) Write a java program to create multiple threads. [8+7]
- 6.a) Explain the various in-build exception handling classes in java.
b) Discuss the nested try Statements. [8+7]
7. Explain the following with examples:
a) Tree Set
b) Priority Queue. [8+7]
- 8.a) List and explain the limitations of AWT.
b) With the help of a neat diagram, explain the swing architecture. [8+7]

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