

R15

Code No: 124CX

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, July/August - 2021

JAVA PROGRAMMING

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) List and explain various features of Object Oriented Programming paradigm.
- b) Explain various access modifiers (private, public, protected and default) used in JAVA. [7+8]
- 2.a) Illustrate method overloading with an example JAVA program.
- b) Give the syntax of various control statements used in Java programs and explain them. [7+8]
- 3.a) What is dynamic binding? How it differs from static binding?
- b) Explain how JAVA implements run-time polymorphism. [8+7]
- 4.a) How to create and access packages in JAVA? Illustrate briefly.
- b) Explain nested interfaces with an example JAVA program. [8+7]
5. Demonstrate exception handling mechanism with 'try-catch-finally' blocks with an example JAVA program. [15]
6. Describe the process of connecting to database using JDBC with an illustrative program in JAVA. [15]
- 7.a) State the differences between a byte stream and a character stream.
- b) Write a program to list all the files and directories contained in a directory given as the command line argument. [7+8]
8. What is Layout manager? Discuss different types of layout managers used in JAVA with demonstration. [15]

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