

R18

Code No: 154BE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech II Year II Semester (Special) Examinations, January/February - 2021

JAVA PROGRAMMING

(Common to CSE, IT)

Time: 2 Hours

Max. Marks: 75

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

- 1.a) What features of Java makes it a robust language?
- b) How to instantiate a class in Java program? [8+7]
2. What is interface? Explain how to implement the interface in Java. [15]
3. Write a Java program to handle producer-consumer problem using inter thread communication mechanism. [15]
- 4.a) Write a program to convert an ArrayList into an array.
- b) Illustrate the applications of Map, HashMap utilities. [9+6]
5. Describe in detail model-view-controller architecture. [15]
6. Write a Java program to create multilevel and hierarchical inheritance. [15]
7. Explain about Random access file operations with an example. [15]
8. Explain about the different types of exceptions used in Java. [15]

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