

R09

Code No: 54058

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, August/September - 2022

OBJECT ORIENTED PROGRAMMING

(Common to CSE, IT)

Time: 3 Hours

Max.Marks:75

**Answer any five questions
All questions carry equal marks**

- 1.a) What is OOP? Explain the need of OOP in detail.
- b) What are abstract mechanisms? Explain in detail. [7+8]
- 2.a) Explain concepts of classes, objects and constructors.
- b) Discuss about overloading methods in detail. [9+6]
- 3.a) Why use inheritance? Explain various types of inheritance.
- b) What are the uses of super keyword? Explain about the usage of final keyword in inheritance. [7+8]
- 4.a) What are the differences between classes and interfaces in Java? Explain.
- b) Write a Java program to create Employ class whose objects is to be stored into a file. [7+8]
- 5.a) Define StringBuffer. Explain about StringBuffer constructors.
- b) What are LinkedList class methods? Explain in detail with a Java sample program. [7+8]
- 6.a) What are enumeration methods in Java? Explain with examples.
- b) Demonstrate interthread communication with Java program. [7+8]
- 7.a) What are various types of events in java.awt.event? Explain.
- b) Demonstrate scroll bars using a Java program. [7+8]
8. Explain the following:
 - a) Trees
 - b) JFrame. [7+8]

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