

R09

Code No: 54058

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, November/December - 2020

OBJECT ORIENTED PROGRAMMING

(Common to CSE, IT)

Time: 2 hours

Max. Marks: 75

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

- 1.a) Explain about the concept of classes, objects and methods in OOP.
- b) Give a brief note on abstraction mechanisms with suitable examples. [10+5]
2. Write in detail about the overloading of methods and constructors in java with suitable examples. [15]
- 3.a) List and explain the benefits of inheritance.
- b) What do you mean by inheritance? Explain how inheritance can be achieved in OOP. [8+7]
4. What is a package? Explain the process of creating and using a package in Java. [15]
- 5.a) Explain about catching of exceptions in java using try and catch.
- b) Distinguish between multithreading and multitasking. [8+7]
6. With a suitable example, explain about the synchronization of threads in Java. [15]
- 7.a) Discuss the AWT class hierarchy.
- b) Give a brief note on layout manager types. [8+7]
8. Differentiate between the AWT components and Swing components. Explain the process of using the JButton class with an example. [15]

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