

R09

Code No: 54058

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, June - 2022

OBJECT ORIENTED PROGRAMMING

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

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

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- 1.a) Write a summary on OOP concepts.
- b) Differentiate between a class and object. [8+7]
- 2.a) Demonstrate constructor overloading concept.
- b) What is type conversion and casting? Illustrate with an example. [7+8]
3. What is inheritance? Explain various types of inheritance with suitable code segments. [15]
- 4.a) Explain about CLASSPATH environment variables.
- b) Describe the process of importing and accessing a package with suitable examples. [7+8]
- 5.a) What is exception handling? Explain the benefits of exception handling.
- b) Differentiate between checked and unchecked exceptions with examples. [7+8]
- 6.a) How to synchronize threads? Explain.
- b) What are the differences between multi-threading and multitasking? [8+7]
7. Explain the following.
 - a) Handling mouse events.
 - b) Layout manager. [7+8]
- 8.a) Explain in detail MVC architecture.
- b) What is an applet? Explain the types and life cycle of applet with a neat sketch. [7+8]

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