

Code No: 54058

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, December - 2018

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. Explain the concepts of encapsulation, inheritance, dynamic binding and message communication using an example(s)? [15]
- 2.a) Using the concept of constructors write a java code to find factorial of a given number?  
b) Explain the concept of type conversion and casting in java? [8+7]
- 3.a) What are the differences between inheriting a class with public and private visibility mode?  
b) What are abstract classes? Explain the role of abstract class while building a class Hierarchy? [10+5]
- 4.a) Explain with the help of a Java program how an interface can be used to support multiple inheritances.  
b) How can you create a package of your own in Java? Explain with the help of an example. [8+7]
5. Describe complete life cycle of a thread. Write a Java program that shows the use of priority in threads. [15]
6. Create a try block that will generate three types of exception and also create necessary catch blocks to catch these exceptions and handle these. You should also use finally statement in your block. [15]
7. Explain different types of layout managers? Write a code snippet to create these layout managers? [15]
- 8.a) Briefly discuss about the limitations of AWT?  
b) Write a code snippet to add check box, radio button and combo box using Swings. [6+9]

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