Code No: 137FB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, March - 2021
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Electronics and Communication Engineering)

Time: 3 Hours   Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Compare procedure oriented programming with object oriented programming.
 b) Write a program to demonstrate multi level inheritance.   [7+8]

2.a) How to handle a user defined exception? Illustrate.
 b) What is a thread? How can it be created in Java program? Explain with example. [7+8]

3.a) What is the purpose of BitSet class? Give an example to demonstrate it.
 b) Write a program to evaluate a given expression using stack class.   [8+7]

4.a) Compare class, abstract class and interface
 b) Write a program to copy the contents of a file in to another file at the end of it. (Perform
    append operation for target file).   [7+8]

5.a) What is an applet? What are its benefits over application program? Give its life cycle.
 b) Construct a Java frame for collecting relevant data from a candidate seeking UG admission
    in to your college.   [7+8]

6.a) Demonstrate constructor overloading and method overloading concepts.
 b) Illustrate the two uses of 'super' keyword in Java.   [8+7]

7.a) Can a try block have multiple catch blocks? Justify your answer.
 b) What is the benefit of package? Discuss access protection in packages.   [8+7]

8.a) Why swing components are preferred over AWT components?
 b) List the containers in swing.
 c) What is the need of adapter classes in event handling?   [5+5+5]

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