Code No: 124CX

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech II Year II Semester Examinations, November/December - 2020
JAVA PROGRAMMING
(Common to CSE, IT)

Time: 2 Hours   Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Make a comparison of procedural programming paradigm with object oriented programming paradigm.
  b) Discuss the benefits of inheritance.   [8+7]

2.a) Explain various parameter passing techniques.
  b) What is meant by Garbage collection?   [8+7]

3.a) Explain the concept of dynamic binding with an example program.
  b) List and explain any four methods of Object class.   [8+7]

4.a) How to define an interface? What is its role in multiple inheritance?
  b) Explain the uses of inner classes.   [8+7]

5.a) Discuss 'throw' and 'throws' keywords for exception handling.
  b) Explain nested try statements and multiple catch blocks with example programs. [7+8]

6.a) Describe the thread life cycle.
  b) What is the need of thread synchronization? What is the Java support for this? [7+8]

7.a) What is a hash table?
  b) Explain random access file operations and File class in Java.   [7+8]

8.a) How to handle mouse events in Java program? Explain with an example.
  b) Explain the security issues of applets and compare them with applications. [7+8]

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