R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech II Year II Semester Examinations, July/August - 2021
JAVA 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) List and explain the Java buzzwords in detail.
 b) Support the statement "java byte code gives high performance". Discuss.   [7+8]

2.a) Explain how Packages are created and accessed.
 b) Discuss the Random access file operations.   [8+7]

3.a) Explain the Java thread model. Illustrate with an example.
 b) List the benefits of multi-threaded programming. Write a program for multi threading.   [7+8]

4.a) Explain the benefits of the Java collections framework.
 b) Write a short note on String Tokenizer and collection interface.   [8+7]

5.a) What is GUI? Explain the steps to build GUI.
 b) Enumerate the life cycle of an applet in detail.   [8+7]

6.a) What is an exception? How is it different from an error? Illustrate briefly the usage of five keywords in exception handling.
 b) Give a brief note on the Stream classes.   [10+5]

7. Illustrate about various levels of protection provided to the variables or methods within classes, subclasses and packages in java.   [15]

8.a) What is a Swing? Explain the Component Hierarchy of Swings.
 b) How the events of the mouse and keyboard can be handled? Explain with an example.   [8+7]

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