R18

Code No: 154BE

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 applet in detail.

[8+7]

- 6.a) What is an exception flow 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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