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II/IV B.Tech (Supplementary) DEGREE EXAMINATION**November, 2016****Fourth Semester****Time:** Three Hours**Common for CSE & IT****GUI Programming****Maximum : 60 Marks***Answer Question No.1 compulsorily.*

(1X12 = 12 Marks)

Answer ONE question from each unit.

(4X12=48 Marks)

1. Answer all questions

(1X12=12 Marks)

- a) Define method
- b) What is meant by scope?
- c) What is an event?
- d) What is the use of finally keyword?
- e) What is a thread and a process?
- f) What is meant by abstract base class?
- g) What is AWT?
- h) What is multithreaded programming?
- i) How do you define a tree in Java?
- j) How does Swing components different from AWT components?
- k) What is an Exception?
- l) What is the abbreviation of URL and TCP/IP ?

UNIT I

2. a) What is the use of garbage collections in java with an example (6M)
- b) Explain the concept of method overloading with an example (6M)

(OR)

3. a) Explain the concept of packages with an example (6M)
- b) Explain briefly about type conversion and casting with an example (6M)

UNIT II

4. a) Write the usage of try and catch block with an example. (6M)
- b) What is daemon thread? Explain inter thread communication. (6M)

(OR)

5. a) Explain types of I/O streams with an example (6M)
- b) Explain creating and passing parameters to applets with an example (6M)

UNIT III

6. a) Explain about Event handling with an example (6M)
- b) Explain about AWT components (6M)

(OR)

7. a) Discuss briefly about event listener class (6M)
- b) Write briefly about JFrame and JComponent (6M)

UNIT IV

8. Describe JDBC principles. What are the methods used to access database?
Write a program to illustrate the use of such methods. (12M)

(OR)

9. a) Explain URL connection class in java. (6M)
- b) Explain scroll panes in swings (6M)