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II/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION**April , 2017****Fourth Semester****Time:** Three Hours**GUI Programming****Common for CSE & IT****Maximum : 60 Marks***Answer Question No.1 compulsorily.**(1X12 = 12 Marks)**Answer ONE question from each unit.**(4X12=48 Marks)**(1X12=12 Marks)*

1. Answer all questions
 - a) Define object.
 - b) Explain the use of Super keyword.
 - c) List different access specifiers in Java.
 - d) Write String functions.
 - e) What is a collection in Java?
 - f) What are the two ways used for creating user defined exceptions?
 - g) What is delegation event model?
 - h) What are the attributes of Applet tag?
 - i) Write the syntax for creating simple panel in AWT.
 - j) List some Event classes in java.
 - k) Write short note on AWT components.
 - l) Differentiate process and Thread.

UNIT I

2. a) Define a class which consist of properties and methods for Student 6M
- b) What is interface? Explain with an example program how an interface can extend another interface. 6M

(OR)

3. a) Define inheritance? Explain the types of inheritances with examples. 12M

UNIT II

4. a) Write a java program to use command – line arguments 6M
- b) Write the basic interfaces of Java Collection 6M

(OR)

5. a) Explain throws and finally keywords in Java with an example program. 6M
- b) Explain the concept of synchronization in Java with an example program. 6M

UNIT III

6. a) Define an Applet? Explain the life cycle of an applet with an example program 6M
- b) Write a Java application to handle Mouse Events and MouseMotion Events. 6M

(OR)

7. a) Explain types of streams (I/O) with example. 12M

UNIT IV

8. a) Write a Java Program to display simple File dialog box with supported AWT components 6M
- b) Explain various adapter classes 6M

(OR)

9. a) Explain the creation of JTables with an example program. 6M
- b) Discuss about JTabbedPane and how it can helpful to create multiple tabs? 6M