

Code No: RT22052

R13**SET - 1****II B. Tech II Semester Supplementary Examinations, November-2017****JAVA PROGRAMMING**

(Com. to CSE, IT)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **THREE** Questions from **Part-B**
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PART -A

1. a) Explain why Java is Machine Independent. (4M)
- b) Brief on constructor overloading. (4M)
- c) What is the use of 'super' keyword? (3M)
- d) What is the role of join() in multithreading? (3M)
- e) Present the structure of a Java Applet. (4M)
- f) What are the different types of controls available in AWT? (4M)

PART -B

2. a) Explain the concepts of Object Oriented Programming. (8M)
- b) Write a sample java program to find the GCD of two numbers. (8M)
3. a) Explain copy constructor. Write a program using copy constructor that reads complex numbers and copies that into another. (8M)
- b) Discuss about polymorphism. Explain runtime polymorphism with a program. (8M)
4. a) What is the role of 'finally' in exception handling? Explain with an example. (8M)
- b) How Packages differ from Interfaces? Explain it with a suitable program. (8M)
5. a) Differentiate between multithreading and multitasking. (8M)
- b) Explain the synchronization of multiple threads in Java with an example. (8M)
6. a) Discuss in detail about Applet life cycle. (8M)
- b) How to pass the parameters to an Applet? Explain with example. (8M)
7. a) Explain Jtree Swing components with suitable example. (8M)
- b) Explain the creation and manipulation of menus. (8M)