

B.Tech II Year II Semester (R13) Regular & Supplementary Examinations May/June 2016

**JAVA PROGRAMMING**

(Common to CSE and IT)

Time: 3 hours

Max. Marks: 70

**PART - A**  
(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is JIT?
  - (b) Write short note on JDK.
  - (c) What is type conversion in java?
  - (d) What is constructor?
  - (e) What is super keyword?
  - (f) What is wrapper?
  - (g) Define multithreaded programming.
  - (h) List the InetAddress class methods.
  - (i) Define cookies.
  - (j) What is socket?

**PART - B**  
(Answer all five units, 5 X 10 = 50 Marks)

**UNIT - I**

- 2 Explain working of java virtual machine (JVM) also explain how java is architectural neutral.

OR

- 3 Explain data types in java.

**UNIT - II**

- 4 What is inheritance? Explain the different types of inheritance supported by java with example program.

OR

- 5 Explain the constructor and method overloading in java.

**UNIT - III**

- 6 What is exception handling? Explain how exceptions are handled in java programming.

OR

- 7 Explain the process of reading the contents of a file by using file input stream class in java with suitable program.

**UNIT - IV**

- 8 Define multithreading. Explain with an example of an application that needs multithreading.

OR

- 9 What is TCP? Explain the process of creating TCP connections in client and server side in java programming.

**UNIT - V**

- 10 What is swing component? Explain any three components of swing with syntax.

- 11 How to create a main menu by using swings with suitable program?

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