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CODE NO:- Z-133
FACULTY OF ENGINEERING
T.E (CSE/IT) - Year Examination June– 2015
Programming In Java
(Revised)

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

- i) Question No.1 and Question No 6 are compulsory
- ii) Attempt any other two questions from each section
- iii) Assume suitable data if necessary
- iv) Figures to the right indicate full marks

SECTION A

- Q.1 Attempt any five of the following: 10
- a) What is final, finally and finalize in java?
 - b) What is java virtual machine?
 - c) What is java API?
 - d) Which class is a super class of every class? Which package is imported by default in every java program?
 - e) What are various types of errors in java? Define exception
 - f) List various methods of thread class
 - g) Compare and contrast between classes and interfaces in java
 - h) In system.Out.Println(), what is the meaning of system, out and println?
- Q.2 a) What are command line arguments in java? Write a java program to demonstrate command line arguments 07
b) What are various types of inheritance? Write a java program to demonstrate hierarchical inheritance 08
- Q.3 a) Explain with example various access protections used in java 07
b) What are various system packages in java. Discuss about the naming conventions. And class path setting for package. Write a program to add a class to a package. 08
- Q.4 a) Write a program to use multiple catch blocks. 07
b) Draw and explain life cycle of thread 08
- Q.5 a) Write short note on exception hierarchy in java 07
b) Write a java program to define a class, describe its constructor, overload the constructor and instantiate its object 08

SECTION B

- Q.6 Attempt any five of the following: 10
- a) What is the difference between byte stream and character stream?
 - b) What is object serialization?
 - c) Explain how applet differs from an application.
 - d) What is a layout manager and what are different types of layout managers available in java AWT?
 - e) What is applet tag and parameter tag?
 - f) List the JDBC drivers
 - g) What are various network protocols?
 - h) Compare and contrast between swing & AWT
- Q.7 a) With suitable diagram, explain the life cycle of an applet 07
b) Write short note on abstract window Toolkit 08
- Q.8 a) Explain with example, how to create and execute static and dynamic SQL statements 07
b) Write a java program to handle the key events 08
- Q.9 a) Explain with suitable diagram, client-server architecture. Also explain various network protocols 07
b) Write a java program to demonstrate J Label, and J Button class 08
- Q.10 a) With neat diagram, explain the concept of input stream and output stream 07
b) Using interactive input, write a program to read three numbers and display the largest number 08