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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 <u>any five</u> 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 <u>any five</u> 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