II B. Tech II Semester Supplementary Examinations, November - 2018
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 **FOUR** Questions from **Part-B**
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PART –A

1.	a)	How JAVA is a platform independent language?	3M
	b)	Why 'main ()' method is declared as ***public static*** in JAVA programming?	2M
	c)	Does JAVA support Multiple Inheritance? Give Explanation.	2M
	d)	What is Multithreading?	2M
	e)	Why does an Applet not need a main() method? Explain.	2M
	f)	List the differences between AWT and Swings	3M

PART -B

2.	a)	Write any six significant differences between Procedure Oriented Programming and Object Oriented Programming.	6M
	b)	Why JAVA is Robust programming language? Explain.	4M
	c)	With a neat diagram, explain the Java Virtual Machine architecture.	4M
3.	a)	What are objects and how they are created from Class? Explain the dynamic initialization of objects using constructors.	7M
	b)	When to use a Static variable in JAVA programming? Explain the importance of Static Variable with a JAVA program.	7M
4.	a)	What is meant by Inheritance and why it is important in Object Oriented Programming? Explain different types of inheritance supported in JAVA with example programs.	10M
	b)	What is an Assertion in JAVA? Write JAVA program to illustrate the importance of assert statement.	4M
5.	a)	With a neat sketch, explain the lifecycle of a Thread in JAVA programming.	7M
	b)	Write a JAVA program to display the number of characters, words, and lines in a given file.	7M
6.		What is an Event? What are the various sources of Events? Explain the delegation event model of handling events with a suitable JAVA program.	14M

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7. a) Write short notes on

i)Different ways of creating a frame in AWT   5M

ii)AWT Layout Manager   5M

iii)JAVA AWT Checkbox   4M