Code No: RT22052 **R13** SET - 1

II B. Tech II Semester Regular/Supplementary Examinations, April/May-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)	Support the statement "java byte code gives high performance".	(4M)
	b)	Define class and object in java	(3M)
	c)	What happens when there is no suitable try block to handle exception?	(4M)
	d)	Write a java program to create multiple threads.	(3M)
	e)	Discuss about inner classes.	(4M)
	f)	Give a note on layouts in AWT.	(4M)

PART -B

2.	a)	What are the problems with procedure languages? How object oriented languages overcomes the problems of procedural languages?	(10M)
	b)	Give a brief note on Java Virtual Machine.	(6M)
3.	a)	How to share the data among the functions with the help of static keyword? Give example.	(8M)
	b)	Give the naming conventions in java.	(8M)
4.	a)	Write an example program to show the calling sequence of constructors.	(8M)
	b)	How to create packages and use them in java?	(8M)
5.	a)	What happen when PrintWriter method receives a string type argument?	(8M)
	b)	Write a java program to display all odd numbered files of a text file.	(8M)
6.	a)	Briefly explain about applet life cycle.	(8M)
	b)	Discuss about one modern mechanism to handle events.	(8M)
7.	a)	Write a java program that computes factorial of a number when you enter that number in text field.	(8M)
	b)	Develop an example that illustrates how to create and display a label containing both an icon and a string.	(8M)
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Code No: RT22052 **R13** SET - 2

II B. Tech II Semester Regular/Supplementary Examinations, April/May-2017
JAVA PROGRAMMING
(Com. to CSE, IT)

Time: 3 hours Max. Marks: 70

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2. Answer **ALL** the question in **Part-A**
3. Answer any **THREE** Questions from **Part-B**

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PART –A

1.	a)	Support the statement "java is dynamic". Discuss.	(4M)
	b)	Write java program using ternary operator to find maximum of three numbers.	(3M)
	c)	Why to use finally block in java exception handling.	(4M)
	d)	List the methods in Thread class.	(3M)
	e)	Give a note on volatile modifier.	(4M)
	f)	Write a java program that makes a window with a scroll bar at the right side of the window.	(4M)

PART -B

2.	a)	Define java byte code. Why java generates byte code?	(8M)
	b)	Give the characteristics of OOPs in detail.	(8M)
3.	a)	Write and explain the syntax of constructor with example	(8M)
	b)	Explain the conditional instructions in detail.	(8M)
4.		What is an exception? Explain exception handling in java with examples.	(16M)
5.	a)	Discuss about reading console input.	(8M)
	b)	Write a java program to implement producer consumer problem.	(8M)
6.	a)	What are the problems with native methods?	(8M)
	b)	Discuss about java.awt.event. InputEventclass.	(8M)
7.	a)	Develop a java program that have 11 text fields one submit button. When you press the button first 10 text field's average has to be displayed in the 11^{th} text field.	(8M)
	b)	Explain about JCheckBoxclass.	(8M)
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Code No: RT22052 **R13** SET - 3

II B. Tech II Semester Regular/Supplementary Examinations, April/May-2017
JAVA PROGRAMMING
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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)	Support the statement "java is Architecture-Neutral"	(4M)
	b)	Give a note on type casting in java.	(3M)
	c)	How java supports multiple inheritance?	(4M)
	d)	Write a java program to create a thread.	(3M)
	e)	Give a note on **transient** modifier	(4M)
	f)	Why layouts are needed?	(4M)

PART -B

2.	a)	When a procedural language fails? Explain in detail with suitable examples.	(8M)
	b)	List and explain java buzzwords.	(8M)
3.	a)	Give a brief note on operators in java.	(8M)
	b)	How to assign the values to the variables in the class at the time of creation of object to that class? Explain with example.	(8M)
4.		Give a detail note on interfaces and packages in java with examples.	(16M)
5.	a)	Write example that uses join ( ) to ensure that the main thread is the last to stop. Use is Alive () in the same program.	(8M)
	b)	Explain with example; explain how we set priority to threads.	(8M)
6.	a)	Write a simple applet program to display a string "India won by 6 wickets".	(8M)
	b)	Discuss about java.awt.event.ActionEventclass.	(8M)
7.	a)	Develop java program that changes the color of a filled circle when you make a right click.	(8M)
	b)	Write an example java program that displays four push buttons and a text field. Each button displays an icon that represents the flag of a country. When a button is pressed, the name of that country is displayed in the text field.	(8M)

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Code No: RT22052 **R13** SET - 4

II B. Tech II Semester Regular/Supplementary Examinations, April/May-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)	Support the statement "java is robust". Discuss.	(4M)
	b)	Write the table that shows the precedence of operators in java.	(3M)
	c)	How constantans and declared to java Explain	(4M)
	d)	Draw the thread life cycle.	(3M)
	e)	Assume that you have a Simple Applet that displays a message. Write a HTML text file to execute that applet in web browser.	(4M)
	f)	List the controls supported by AWT.	(4M)

PART -B

2.	a)	List and explain the applications of OOPs.	(8M)
	b)	Write the structure of java program.	(8M)
3.	a)	Explain Primitive type conversion and casting with examples.	(8M)
	b)	How garbage collector plays its role? Explain.	(8M)
4.		What is inheritance? Explain in detail inheritance in java with examples.	(16M)
5.	a)	Discuss about writing console output.	(8M)
	b)	Write a java program to display all odd numbered files of a text file.	(8M)
6.	a)	Briefly explain the assertkey word.	(8M)
	b)	Discuss about java.awt.event.keyEventclass.	(8M)
7.	a)	Develop a java code that keeps the count of right clicks of mouse.	(8M)
	b)	Explain about JComboBoxclass.	(8M)
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