



**II SEMESTER B.S. DEGREE EXAMINATION – APRIL/ MAY 2017** 

SUBJECT: JAVA PROGRAMMING (CS 243)

(BRANCH: CS)

Reg.No.

Wednesday, 26 April 2017

Time: 3	Ho	urs Max. Marks	: 100
		Answer ANY FIVE full Questions. Missing data, if any, may be suitably assumed	
1.	a) b)		(12)
	c)		(5)
		<ul><li>i) Whitespaces and Identifiers in Java.</li><li>ii) Why do we need import statement in Java?</li></ul>	(3)
2.	a) b)		(12)
		inheritance? Explain with example programs.	(8)
3.	a)	resolved during package import.	(5) (5)
	b) c)		(5)
		retrieve an item. Also write the implementation of a fixed-length stack that implements fixed-length version of the above integer stack interface.	(10)
4.	a)	and demonstrate the same with an example program.	(5)
	b)	and a catch clause that processes an ArithmeticException generated by such	(3)
	c) d)	Discuss finally keyword. With an example program, show three different	(10)
	u)	Name the super class in Java Exception handling. What are the two main subclasses of the super class?	(2)
5.	a)	Write a program in Java to show how to use the class FileInputStream to read a file named abc.dat. This code should print each byte's value separated with white spaces. Byte values are represented by integers from 0 to 255, and if	
	b)	the read() method returns -1, this indicates the end of the stream.	(8)
	c)	What are the three ways to define synchronized blocks?	(8)
		arguments.	(4)

6.	a)	Write the applet skeleton. Also discuss all the methods mentioned in the	
		applet skeleton.	(10)
	b)	Write a Java program for a simple banner applet that creates a thread that	
		scrolls a message right to left across the applet's window.	(8)
	c)	Describe ActionListener and ItemListener interfaces with its syntax.	(2)

- 7. a) Write a complete Java program to show how to create a frame window from within an applet.
  - b) What is Grid Layout? Write down the constructors of the same. For the Grid Layout output in fig.7b, write the program.

Applet			
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	

Fig.7b

- (6) Illustrate FileDialog using a java program. c) (6) 8. Write example code snippets for the following: a) i) JLabel (2)ii) JTextField (2)iii) JButton (2) iv) JTabbedPane (2)Describe JDBC (2)b) i) Discuss the life cycle of a servlet. c) (3) ii) Write a Java Servlet program for the following scenario: > A web page is defined in PostParameters.htm, and a servlet is defined
  - in PostParametersServlet.java.
  - PostParameters.htm defines a table that contains two labels and two text fields. One of the labels is Employee and the other is Phone. There is also a submit button. The action parameter of the form tag specifies a URL. The URL identifies the servlet to process the HTTP POST request.
  - PostParametersServlet.java gets all parameters names and all values (7) for each parameter and displays them in HTML formatted response.

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(8)