

Time : Three Hours



Max. Marks : 80

1.	a)	What are the drawbacks of procedural languages? Explain the need of object oriented programming with suitable example.	8
	b)	List categories of operators supported in Java. Write a program to implement arithmetic operators in java.	8

2.	a)	Explain constructors in Java with suitable example?	8
	b)	Write a java program to implement multiple inheritance using interfaces?	8
3.	a)	<p>Write a program to print.</p> <pre> 1 2 2 3 3 3 4 4 4 4 5 5 5 5 5 </pre>	8
	b)	State where interfaces are used. Write a program to extend an interface.	8

4.	a)	Write a java program that prints number from 1 to 15 number after every 10 seconds.	8
	b)	How Exceptions are handle in Java? Elaborate with example.	8
5.	a)	Write a program code to trap all mouse event with example.	8
	b)	Write a applet program to draw the following.	8
	i)	Rectangle	ii) Oval
	iii)	Line	iv) Arc

6. a) Write a program to implement checkbox using AWT and also handle the events in it. **8**
- b) Write a java Program to Play Sound using Applet. **8**

7. a) State & explain different types of files with an example. 8
- b) Write a java program to store and retrieve random integers using data streams on a single file? 8

OR

8. a) Write a java programme to concatenate and buffer files? 8
- b) Describe different categories of input stream and output stream. 8
9. a) Write a program to create client side program, which accept all the strings sent by the server. 8
- b) Discuss different methods of servlet with an example? 8

OR

10. a) Explain all the methods of URL class? Write a java program to display hostname, file name of url? 8
- b) Explain following terms with example 8
- a) CORBA
- b) JAVADOC
