USN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]   21CST504

B. E. Degree (Autonomous) Fifth Semester End Examination (SEE), DEC2020/JAN 2021
ADVANCE JAVA PROGRAMMING
(Model Question Paper –II)

Time: 3 Hours]   [Maximum Marks: 100]

Note   Answer ANY ONE from Question No. 1 and 2
       Answer ANY ONE from Question No. 3 and 4
       Answer ANY ONE from Question No. 5 and 6
       Answer ANY ONE from Question No. 7 and 8
       Answer ANY ONE from Question No. 9 nd 10

Q.NO		Answer Five Full Questions	Marks	CO'S	Bloom's Level
1	a.	Define String in JAVA.Explain the following with a program example: i) valueOf() ii) toString() .	10 Marks	CO 1	L1,2
	b.	Design and implement Client Server communication using socket programming.	10 Marks	CO 1,2	L3
		Or			
2	a.	List out the difference between StringBuffer and StringBuilders along with a example program.	10 Marks	CO 3	L1,2
	b.	Define RMI. Discuss the process and implement a simple Client Server Application using RMI.	10 Marks	CO 1,2	L1,3
3	a.	Explain various interfaces used in Collection framework along with a syntax?	08 marks	CO 2	L2
	b.	List out the difference between Comparable and Comparator along with a program example.	08Marks	CO 2	L1,2
	c.	Write a note on Harsh Map.	04 Marks	CO 2	L1
		Or			
4	a.	Explain Generic Collections with a program example.	08 marks	CO 2	L2

	b.	Explain Legacy classes and interface of collection in JAVA.	08 Marks	CO 2	L2
	c.	Write a note on Collection Algorithms.	04 Marks	CO 2	L1
5	a.	Define Swings. List out the difference between Component and Container .	08 Marks	CO 3	L1,2
	b.	Explain the following with an code snippet: i)JCheckBox ii) JTabbedPane	12 Marks	CO 3	L2
		Or			
6	a.	Create swing applet that has four buttons along with a Icone named Rose Jasmin, Llilya nd Lotus. When either of the button pressed ,it should display "Rose Flower Selected " or "Lilly Flower Selected " respectively.	12 Marks	CO 3	L3
	b.	Explain the MVC Connection along with a Swing application example program .	08Marks	CO 3	L2
7	a.	Explain the following with an example each: i)Session ii) Cookies	10Marks	CO 4	L2
	b.	Define servlet? Explain the phases of servlet life cycle.	05Marks	CO 4	L1,2
	c.	Explain the Javax servlet packages.	05Marks	CO 4	L2
		Or			
8	a.	Write an servlet program to read name from Client page and say hello to the name as response	10Marks	CO 4	L1
	b.	Define JSP? Explain the phases of JSP life cycle and also list out different types of JSP tags with syntax..	10Marks	CO 3	L1,2
9	a.	Describe the various steps of JDBC process with code snippet.	10 Marks	CO 4	L1,2
	b.	Explain following with a program example: i) Resultset ii)Metatdata	10Marks	CO 4	L2
		Or			
10	a.	Explain with an neat diagram different types of JDBC drivers.	10 Marks	CO 4	L2
	b.	Explain Transaction processing in JDBC along with a program.	10 Marks	CO 4	L1,2