(i)	Pr	inted Pages : 2	Į,	Roll No.		
(ii)	Qι	estions : 9	Sub. C	ode :[	1 7 9 4	1 9
			Exam. C	ode :	0 0 3	1
	В	achelor of Con	ıputer Appli	cations	5th Semester	
			(2124)			
		JAVA	A PROGRAM	MMING	ı	
		Pa	per : BCA-1	6-503		
Tin	ie Al	lowed : Three	Hours]	[Max	imum Marks	: 65
Not	te :-	The students a from Sections				each
			SECTION-	- <b>A</b>		
1.	(a)	Discuss charact	teristics of Jav	a Langu	age in detail.	6
	(b)	Define Constru	ctors. What is	s the pur	pose of creating	g it?
		Discuss constru	ictor overloadi	ing using	an example.	7
2.	Def	ine the following	1 to 1 to 1			
	(a)	Dynamic Metho	od Dispatch.			7
	(b)	Abstract class.				6
			SECTION—	-В		
3.	(a)	Buffer class. Dis	cuss			
		its various meth	ods.			6
	(b)	What are Packag	ges? Steps to c	reate a U	ser defined Pack	kage
		with an example	e.			7
			14			

4.	Discuss Multiple Inheritance. How to implement it in Java using					
	an e	xample ?	13			
		SECTION—C				
5.	Wha	at are exceptions? Elaborate Exception handling mod	lel in			
	Java	a. Also discuss user defined exception by takin	g an			
	example.					
6.	(a)	Discuss Life cycle of an Applet with an example.	- 6			
	(b) What is multithreading? Discuss different ways to creat					
		thread with examples.	7			
		SECTION—D				
7.		What do you mean by AWT Controls? Design a Studen				
	regi	stration form using various AWT controls.	13			
8.	(a)	How to handle events in Java? Discuss event deleg				
		model with an example.	7			
	(b) What are JDBC components? Discuss steps to co					
		database in Java.	6			
		(Compulsory Question)				
9.	(a)	Explain JVM and Bytecode.	2			
	(b)	What do you mean by Streams?	2			
	(c)	Discuss Scanner class.	2			
	(d)	Thread Synchronization.	2			
	(e)	Keyword final.	2			
	(f)	Garbage Collection.	3			
	(-)					