

RAN-3557

Second Year B.C.A. (Sem. IV) Examination

October / November - 2019

403: JAVA Programming Language

Time: 3 Hours] [Total Marks: 70 સૂચના : / Instructions Seat No.: નીચે દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the details of r signs on your answer book Name of the Examination: **☞** Second Year B.C.A. (Sem. IV) Name of the Subject: **☞** 403: JAVA Programming Language Subject Code No.: 3 5 5 7 Student's Signature Q:1 Answer in brief(Any 7) 14 1. Explain significance of 'public' and 'static' keywords in main() method. 2. Write an importance of classpath? 3. Define Bytecode. 4. Differentiate finalize() and destructor. 5. Write down the use of this pointer. 6. What is JVM? 7. Differentiate break and label break. 8. Explain isAlive() and join() method. Q:2 (A) Explain various features of JAVA. 7 OR (A) List and explain various JAVA Tokens. 7 (B) Explain type casting with suitable example. 7 (B) Explain JAVA Architecture in Detail. 7

Q:3		Answer the following in Detail(Any Two)	14
	1)	Applet life cycle	
	2)	Inter thread communication	
	3)	Final keyword	
	4)	Chained Exception	
Q:4	(A)	What is interface? How it differs from abstract class?	7
		OR	
	(A)	What Is package? Explain various access specifires with package.	7
	(B)	Write a program that accepts two numbers from command line and add two numbers if the arguments are numbers else display total number of vowels of two strings.	7
		OR	
	(B)	Write a program that stores details of 5 employees and display these information after every one second.	7
Q:5		Write a note on following(Any three)	14
	1.	Super key word	
	2.	APPLET tag	
	3.	Bitwise operators	
	4.	Runtime Polymorphism	