[65]	A-26]
Seat No.	

Total number of printed pages: 2

SARDAR PATEL UNIVERSITY MASTER OF COMPUTER APPLICATIONS SEMESTER - III

COURSE PS03CMCA21 (Object Oriented Programming Using Java) Tuesday November 20th 2018

Tim	ie: 2:00 pm t	o 5:00 pm			Max. Marks: 7	0
		st appropriate option f	or each que	stion:		[8]
	Integer is -					
1.	A) A referen	na	B)	A primitive type		
			D)	None of these		
•	C) A wrappe	ollowing is not a part of J	•			
4.			B)	API class libraries		
	A) Java com	-	D)	None of these		
•	C) Java inter		D,	Trone of these		
3.	A) A should	A class B, then	B)	A should contain B		
			D)	B should contain A		
	C) B should	inherit from A elements in an array ary	,			
4.			B)	ary.size		
	A) ary.size()		D)	ary.length		
_	C) ary.lengtl	is used to register an even				
5.		Is used to register an evi	B)	addClickListener		
		ickListener Listener	D)	addActionListener		
,	C) addEvent	Listellei	,	d of Statement is used.		
6.		insert statement,	B)	executeNonQuery()		
	A) executeUC) executeQ		D)	executeInsert()		
7	C) executeQ	lose can be initialized to		from the keyboard using -		
7.	. The Scanner C	ner(new InputStreamRe	ader(Systen	i.in))		
	A) new Scal	nner(new Imputstreamice nner(new BufferedReade	r(System in)))		
	B) new Scar	nner(System.in)	<i>A</i> (0)000	,,		
	C) new Scar	nner(InputStream)				
0	D) new Scar	objects need to be serial	lized must -			
0		nt Serialized	B)	implement Serializable		
			D)	extend Serializable		
	C) extend S	Citanzoa	, 2)			
0.) Answer the fo	ollowing questions (Any	Seven):		•	[14]
V-4	Nile of was the	first name for the lava t	roorammin	g language? For what purpo	se was it originally	
1	designed?	mist hance for the sava p	ловишти	2 minganger i or with hosting		
1		advantages of Java over	C++?			
				rowa.		
3	List the primit	tive data types in Java th	at noid integ	gers.	integral 2 into a	
4		guage statements to con	vert a string	str1 into an integer $n1$ and	an integer nz mio a	
	string str2.	0.1	1171-1-E-5		ent aloga aonetmiotor	•
5			ı. Wnich key	word is used to invoke pare	ont class constructor	
	form the subc	lass constructor?				

(P.T.O.) page 1 of 2

6.	Define abstract methods and static methods.					
7.	. What is the use of the StringBuilder and StringBuffer classes? What is the difference between them?					
8.	List the events in the lifecycle of a Java applet.					
9.	Which class provides common implementation for operations on a set of values? Which package provides the Date class?					
Q-3						
A.	A. Explain the terms JRE, JDK, JVM. List the different editions of Java. Which is the official reference implementation of the JDK?					
В.	Explain the syntax of class inheritance, definition of interfaces and their use with suitable examples.	[6]				
**	OR					
В,	Describe any six methods of the String class in short.	[6]				
Q-4						
A.	Name and explain in brief any six classes from the java.io package.	[6]				
В.	Write a short note on exceptions and exception handling in Java.	[6]				
	OR					
В.	Write the syntax for the following in the context of JDBC: Defining a JDBC URL, Loading a JDBC driver, creating connection, creating statement, executing different types of queries	[6]				
Q-5						
A.	Write a short note on AWT and Swing. Differentiate between the two.	[6]				
	Explain any three classes from the java.util package in brief.	[6]				
	OR	ř.,1				
В.	Write a Java program that accepts a student's 7-character PID. The first character in the PID may be M, I or L for MCA, Msc (IT) and PGDCA respectively. The second character may be G or S indicating grant-in-aid or self-financed programme. The next two digits indicate the year of entry, while the last three digits contain a unique serial number. The program should display these components of the PID as per the following sample format: Programme: MCA Batch: Grant-in-aid Year of Entry: 2017 Serial No. 103	[6]				
Q-6						
A.	Write a short note on multithreading in Java.	[6]				
В.	Explain encapsulation with suitable figures and examples.	[6]				
	OR	1.3				
В.	Write a short note on network programming in Java.	[6]				
	a de la companya de La companya de la co					
ŧ	X — X					

page 2 of 2