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SARDAR PATEL UNIVERSITY

Master of Science (Information Technology) M.Sc. (IT) – Semester III External ATKT Examinations PS03CINT01 (Java Programming) Monday, 10th April, 2017

		e the most appropriate opt		[8]				
1.	Which	of these operators is used to	y for an object?					
	A.	malloc	В.	new				
	C.	give	D.	None of these				
2.	is the return type of a method that does not returns any value.							
	A.	int	В.	void				
	C.	double	D.	None of these				
3.		is a method having same name as that of it's class.						
	A.	destructor	В.	Both (A) and (C)				
	C.	constructor		None of these				
4.	method can be defined only once in a program							
	Α.	Main	В.	Static				
	C.	Private	D.	None of these				
5.	Which	of these can be overloaded?						
	A.	Methods	В.	Both (A) and (C)				
	C.	Constructors		None of these	•			
6.	When we invoke repaint() for a java.awt.Component object, the AWT invokes themethod.							
	A.	update()	В.	show()				
		draw()		None of these				
7.		method executes only	once.					
	A.	start()	В.	init()				
	C.	stop()	D.	None of these				
		s the Full name of RMI?						
8.	What i							
8.		Remote method interface	В.	Remote method invocation				

Q-2 Answer the following questions (Any Seven):

1. Write a code snippet for showing applet skeleton.

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2. List different types of Java Programs.	
3. What is JVM?	
4. What is CORBA? Explain advantages of CORBA over beans.	
5. Explain Encapsulation in Java.	
6. What is Thread? List down various methods of Thread.	
7. List down layouts in Applet. Explain any one.	
8. Explain features of Swing.	
9. What is inet Address?	
Q-3 Answer the following questions:	
A. Explain inheritance in detail in java with suitable example.	[6]
B. What is Java? List all features of JAVA and explain any six.	[6]
OR	
B. Explain Exception handling in detail.	[6]
Q-4 Answer the following questions:	
A. Explain the use of final & abstract keyword with example.	[6]
B. Explain Socket Programming with Example.	[6]
OR	
B. What is Applet? Explain Applet Life Cycle.	[6]
Q-5 Answer the following questions:	
A. List different types of JDBC drivers. Explain any two in detail.	[6]
B. What is RMI? Explain stub and skeleton model for RMI.	[6]
OR	
B. Write a note on HTML Applet Tag.	[6]
Q-6 Answer the following questions:	
A. Draw JSP Architecture. Explain the steps in life cycle of JSP page.	[6]
B. What is Servlet? Explain Servlet Life Cycle.	[6]
OR	
B. Explain Vetor and ArrayList class with example.	[6]
. and	

Total Marks: 70

[99]

SARDAR PATEL UNIVERSITY

M. Sc. Information Technology

Semester - III External Examinations

PS03CINT04 - Distributed Application Development Technology Saturday, 15th April, 2017

Time: 02:00 p.m. to 05:00 p.m.

Q1.	Select the most appropriate an	nswer of the following questions:	[8]		
1.	is used to describe, public	is used to describe, publish and find web services.			
	A. UDDI C. XSDL	B. WSDLD. None of these			
2.	In ASP.NET .asmx is extension of	•			
٠.	A. Web pageC. Web Service	B. Global pageD. None of these			
3.	If a well formed XML document con document. A. standard	forms to DTD rules it is XML B. valid			
	C. descriptive	D. None of these			
4.	<u>-</u>	elements and attributes in an XML			
т,	document. A. XSLT	B. XPATH			
	C. XLINK	D. None of these			
5.					
٥.	The extension of C# code file in dot net framework is A. cs B. vb				
	C. html	D. None of these			
6.	In ADO.NET com				
٠.	affected.	india inomod rotatio indinoof of 10770			
	A. ExecuteNonQuery()	B. ExecuteXRowOuerv()			
	C. ExecuteXColQuery()				
7.	DataReader object of ADO.NET allows data traversal in direction.				
	A. forward	B. reverse			
	C. forward & reverse	D. None of these			
8.	In dot net class methods	allows user to get information about the			
	loaded assembly and types within them like classes, interface and value types.				
	A. Recreation	B. Runtime			
	C. Recallable	D. Reflection			
Q2.	Answer the following question	s: [Any Seven]	[14]		
1.	Give full form of (i)WSDL and (ii) U	DDI.			
2.	What is XSLT? Give uses of XSLT.				
3.	Explain DTD in brief.				
4	Mention the use of delegate in C#				

Explain the use of IsPostBack in brief. 6. What is Session? Mention advantages of using Session. 7. Explain connection string in ADO.NET in brief. 8. Differentiate between DataReader and DataSet. 9. Discuss in brief requirement of localization in dot net. Q3 A Draw and explain in detail architecture of dot net framework. [6] Q3 B Discuss in detail the concept of .Net Passport and .Net alerts for authentication. [6] <u>OR</u> Q3 B Explain the structure of XML document with example. Also state the uses of [6] XML. Q4 A List and explain data types supported by C#.NET. [6] Q4 B List and explain in detail any three standard controls of ASP.NET. [6] OR **Q4 B** List and explain in detail any three validation controls of ASP.NET. 6 Q5 A List and explain different stages of Asp.Net page life cycle in detail. [6] **Q5 B** Describe in detail the architecture of ADO.NET. [6] <u>OR</u> Discuss the role of DataAdapter in ADO.NET with example [6] Write a note on garbage collection in dot net. [6] Q6 B Mention in detail the uses of mobile application in dot net. [6] OR Q6 B Write a note on remoting in dot net. [6]

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