Total No.	of Questions : 5]	3	SEAT No.:	
P-3339)		[Total	No. of Pages : 5
	Γ6	502 7]-11		
	_	(Managen	nent)	
	IT 11: JAVA	, –		
	2020 Patte	ern) (Semes	ter - 1)	
<i>Time</i> : 2 ¹ /	/2 Hours]		[M	lax. Marks : 50
Instructio	ons to the candidates :		0-	
1)	Attempt all questions.		3	
2)	Figures to the right indicate f	full marks.	i,C'	
01) Fac	ch multiple choice question ca	arries half marl	zs. All questions a	re compulsory
QI) Luc	on maniple enoice question ed		cs.7 in questions a	[10]
i) v	In java, array elements are	stored in	memory	locations.
7	a) Random	(b)	Sequential	
	c) Sequential and Rando		Binary search	
ii)	, <u> </u>	-(1 -(),	ng that appropri	ately describes
,	on object of your class.		8	, and grant and a second
	a) getchars()	b)	to string()	9
	c) to Char Array()	d)	getstring()	3
iii)	Package P1 contains the fo	lowing code		:0
	package 1;			
	public class student			
	package 1; public class student {Body of student}			2
	class Test			0.
	{Body of Test}		~ ~ ~	,
	Import P1.*;		20, 20,	
	Class Result			
	{student S1;		(S)	
	Test t1;}		200	
	This code not compile bec	ause.		

P.T.O.

	a)	Class result should be declared public			
	b) Student class is not available				
	c) Test class is not available				
	d)	Result body is not fully	defined		
iv)		Which of the following class in Java. io package defines a method to lelete a file.			
	a)	Stack	b)	File	
	c)	String	d)	Vector	
v)	,	a valid file object reference ses defined in Java. io pac		eate a new file using the following	
	i)	File output stream	ii)	Random Access File	
	iii)	Data Input			
	a)	i and ii only	b)	ii and iii only	
	(c)	i and iii only	(d)	All i ii and iii	
vi)		at type of servlet use the elete(), doTrace()?	ese method	s doGet(), doPost(), doHead(),	
	a)	Generic servlet	(p)	Http servlets	
	c)	All of the above	(d)	None of the above	
vii)	ITE	RATOR and LISTTERA	TOR can	traverse over?	
	a)	lists	b)	HttpServlets	
	c)	All of the above	d)	None of the above	
	e)	Set			
viii)	Вус	convention, java packages	begin with	letters while all the class	
	nam	es begin with an	letter.	W W	
	a)	uppercase, uppercase	b)	lowercase, lowercase	
	c)	uppercase, lowercase	d)	lovercase, uppercase	
ix)	An_	-	4 .	nat requires further specification.	
	a)	Abstract class	b)	Final class	
	c)	Static class	d)	Super class	
			29		
[6027]-	11		2		

X)	Whi	ich of the following sub-classes	are 1	included in object class in Java:	
	i)	Dictionary	ii)	Date	
	iii)	Label	iv)	Thread	
	a)	i, ii and iii only	b)	ii, iii and iv only	
	c)	i, iii and iv only	d)	i, ii and iv only	
xi)	Whi	ich of these is a mechanism fo	or nai	ming and visibility control of a	
	clas	s and its content?			
	a)	Object	b)	Packages	
	c)	Interfaces	d)	None	
xiii)				ed for a class so that its members	
	can	be accessed by a different class	s in t	he same package?	
	a)	Public	b)	Protected ?	
	c)	default	d)	No modifier	
xiii)	Ord	er of enecution of constructions	s in J	ava Inheritance is	
	a)/×	Base to derived class	b)	Derived to base class	
6	c)	Random order	d)	None	
xiv)	Whi	ich of the following is/are true s	taten	nents?	
	a)	A class can extend only one cla	ss bu	t can implement many interfaces.	
	b)	An interface cannot extend many interfaces.			
	c)	An interface can implement an	othe	r interface.	
	d)	An interface can implement a	class	O	
xv)	Whi	ich of the following is false state	emen	t about package in java?	
	a)	Package are used for preventing	ng na	ming conflicts.	
	b)		Prot	ected and default have package	
		level access control.			
	c)	Packages cannot be considered	ed as	data encapsulation.	
	d)	None of these			
xvi)			l to g	et an attribute in a HTTP session	
	obje	ect in servlets			
	a)	session. get Attribute (String n	iame)	90.	
	b)	session. alter Attribute (string name)			
	c)	session. update Attribute (string name)			
	d)	session. set Attribute (string na	ame)	6.	
			- X	-	

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xvii) Which of the following are/is advantages of packages?

- a) Classes, even though they are visible outside their package, can have fields visible to package only.
- b) Packages avoid name classes
- c) We can have classes that are used by the packages, but not visible outside
- d) All statements are correct

xviii)The Java _____ specification defines an application programming interface for communication between the web server and the application program.

a) Servlet

b) Server

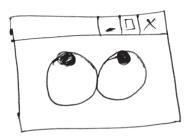
c) Program

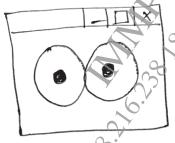
- d) Randomize
- xix) What happen in case of multiple catch block?
 - a) Either super or subclass can be caught first.
 - b) The super class exception must be caught first.
 - c) The super class exception cannot caught first
 - d) None of these
- xx) Order of execution of constructors in Java inheritance is
 - a) Base to derived class
- b) Derived to base class

c) Random order

d) None of these

Q2) a) Write a panel class Eyepanel and any other classes you need, such as event depending on whether the mouse cursor is above, inside, or below the eyes. The following three screen shots show the eyes in each of three positions;







	b)	Write a program to draw a house in Java.				
OR						
	a)	Write a swing program for designing notepad and performing relevant				
		actions like cut, copy, select all and etc.	[6]			
	b)	Write a program to design login form with proper validation.	[4]			
<i>Q3</i>)	a)	Design a following phone book application in JSP for accepting emplo	oyee			
~ .	ŕ	details like: first name, last name, city name and email Id and save it in				
		database. Perform following operations:-	[8]			
		i) record in database				
		ii) retrieve all records in database				
		iii) update a record from database				
		iv) delete a record from database Differentiate between JSP and servlet.				
	b)	Differentiate between JSP and servlet.	[4]			
		OK S				
	a)	Write a servlet program for accepting student detail. Display pro	-			
		message if invalid data is intered like name left blank and negative ph				
	number, using MgSQL store the values in the table stud (Name, Address,					
		Phone, Email) if valid data is entered for all the fields and perform				
	b)	various operations like Add, Delete, Next and previous.	[8]			
	b)	Explain types of driver in java.	[4]			
<i>Q4</i>)	a)	Differentiate between Array list and Linked list.	[5]			
	b)	Explain thread life cycle.	[3]			
		O' OR				
	a)		[5]			
	b)	Differentiate between run time and compile time polymorphism.	[3]			
0.5)	,		F 43			
<i>Q5</i>)	a)	How accessors and Mutators methods are used?	[4]			
	b)	What is thread synchronization?	[3]			
	c)	Write a Java program for mobile number validation using regex. OR	[3]			
	a)	Explain shallow cloning and deep cloning.	[4]			
	b)	Explain how deadlock can be avoided in thread.	[3]			
	c)	What is object serialization?	[3]			
		0000				