Er	rollm	ent No: _			xam Seat No:	
					VERSITY	
			Summer	Examina	ation -2022	
Su	bject	Name : P	rogramming with Jav	va - II		
Su	bject	Code : 40	CS04BJV2	B	ranch: BCA	
Se	meste	r: 4	Date: 02/05/2022	Ti	me: 11:00 To 02:00	Marks: 70
Ins	(2) (3)	Use of Pro Instruction Draw near	ogrammable calculator ns written on main ans t diagrams and figures uitable data if needed.	wer book are		rohibited.
Q-1		Attemp	t the following questi	ons:		(14)
	1.	Give the	e full form of AWT?			1
		a)	Absolute Windowing	Toolkit	b) Applet Windowing	Гoolkit
		c)	Abstract Window Too	olkit	d) None of the these	
	2.	-	nection () is available in	n which class?		1
					Applet Class	
	-	· · ·	DriverManager class	,	Graphics Class	
	3.		s Default layout in Lay	U U		1
		· · ·	GridLayout	· · · · · · · · · · · · · · · · · · ·	FlowLayout	
	4	· · ·	CardLayout	,	None Of these	1
	4.		of the following is a J2 Servlet		JSP	1
		· · ·	JMS	,	All of these	
	5.	,	of the following is not l	,		1
	5.		Include DirectiveElen		Page Directive Element	
		· · ·	Export Directive Elem	,	Taglib Directive Element	
	6.		Layout is used set com		-	1
			GridLayout		CardLayout	
		· · ·	FlowLayout	,	BorderLayout	
	7.	,	lriver is known as Brid	,	•	1
		a)	JdbcOdbcDriver	b)	Native API	
		c)	Net Protocol	d)	Native Protocol	
	8.	Which o	of the following is corre	ect for directiv	ve in jsp?	1
		a)	<%@directive%>	b)	<%directive%>	
		c)	<%!directive%>	d)	None of the these	
	9.	Skeletor	n is a side r	emote object.		1
		a)	Client	b)	Server	
		c)	Both A and B	d)	None of these	
				A UNC		Page <b>1</b> of <b>3</b>



**10.** JDBC stands for \_\_\_.

- a) Jar Database Connectivity
- b) Java Database Content
- c) Java Database Connectivity
- d) None of the these

<b>11.</b> All servlet classes are required to be mapped and configured in web.xml.				1
a)	Yes	b)	No	
c)	Both A and B	d)	Can't say	
<b>12.</b> Which s	statement interface is used to get	info	rmation about database?	1
a)	Statement interface	b)	Resultset Interface	
c)	ResultsetMeataData	d)	DatabaseMetaData	
<b>13.</b> Which i	s scripting elements in JSP?			1
e)	declaration	f)	scriptlet	
g)	expression	h)	All of these	
14. Which of	component is used to get single li	ne i	nput from the user?	1
a)	JRadioButton	b)	JTextField	
c)	JcheckBox	d)	Jlabel	

## Attempt any four questions from Q-2 to Q-8

Q-2		Attempt all questions	(14)
	1	What is Layout Manager? List out types of Layout Manager Explain any two with example.	7
	2	Write a note on: Types of JDBC Driver.	7
Q-3		Attempt all questions	(14)
	1	Write a note on: RMI Architecture.	5
	2	Explain ResultsetMetaData interface with example.	5
	3	Explain JTextField and Button component with example.	4
Q-4		Attempt all questions	(14)
	1	Write a difference between Swing and AWT control.	5
	2	Explain Database Metadata interface with example.	5
	3	Explain JMenubar, JMenu, JMenuItem with suitable example.	4
Q-5		Attempt all questions	(14)
	1	Write a note on J2EE Enterprise Architecture Styles.	7
	2	Explain JSP life cycle.	7
Q-6		Attempt all questions	(14)
-	1	Write a note on session tracking approach in servlet.	7
	2	Explain JSP Directives elements with example.	7



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Q-7		Attempt all questions	(14)
	1	Write a note on: Types of servlet.	5
	2	Explain Servlet Lifecycle.	5
	3	Explain HttpServletRequest Class.	4
Q-8		Attempt all questions	(14)
	1	Write a program to create Html and JSP file to insert record in student table using JSP, who have following fields.	7

Student Table		
F_name	Text	
M_name	Text	
L_name	Text	
Gender	Text	
Email	Text	
Contact	Number	
Address	Text	
Pincode	Number	
City	Text	
State	Text	
Country	Text	

## Student Tabl

2 Write a program to enter one number and check number is Armstrong or not using swing with grid layout.

Applet Viewer: armstrong.class			
Enter Number	153		
Armstrong	153 Number is Armstrong		
Applet started.			



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