Day & Date	Semester	Subject Name	Time	Code	Marks
Thursday	V (Repeater)	Java Programming	02.30 PM To 05.00 PM	5103	75

Instructions: ()Q.1 is compulsory

II) Attempt any 4 from Q.2 to Q.8

	sight seement their and both the contract of		
,	III)Draw diagrams where	ver necessary	
O.1) a) What is abst	action? Explain the following p	rinciples:	(8)
	psulation		•
• Poly	morphism		
b) What are package	s? Provide syntax for defining	packages and class path with	example. (7)
O 2) a)What are inte	rfaces? Explain with an examp	le.	(*)
h) What is the l	Difference between Method ov	erloading and Method Overr	iding? (8)
Q.3-a)What are Exc	eptions? Give its different type	s. Illustrate the usage of follo	wing with example in
exception handling.			(10)
• try			
catch	,		
throws			
 finally 			
b) How do you i	mplement multiple Inheritance	s in Java?	• (5)
Q.4- a) What are acc	ess specifiers?Comment upon	their usage with respect to t	ne following Criteria(8)
Same class		The state of the s	of Company and the second
 Same packa 	ge subclass	•	
	ge non subclass		·
Different pa	ckage subclass		•
Different par	ckage non subclass		
h) Explain differe	ent features of JAVA in detail.	, _	(7)
O.5-a) WAP In Java u	ising switch instruction which	implements the following:	(15)
1. Armstrong			
2. Reverse of			
3. Prime or no			
4. Exit			
(The program st	rould continue until user opts	for EXIT)	
Q.6 a) Write a prog	ram in JAVA which takes strin	g as input prints the input up	on the screen until the
input string is "exit			(8)
b) W.A.P which pri	nts the half pyramid of "*" on	the screen:	• •
		90 14	•
		•	• .
Q.7)a)- For the giver	specifications, write a progra	m in JAVA to implement a c	
Class name	CalciV1(superclass)	CalciV2(subclass)	CalciUser(main class)
Data Member	n1.n2.n3		

percentage() display()

Note: a)Implement method overriding using display()

Method Member

add(),sub(),mul()

,display(),div

Java main class

- The display() of CalciV1 should display result of the calculations.
- The display() of CalciV2 should display "CALCULATOR VER 2.0"

Make use of the super keyword.

b) input for the calculation is given through main class, n1 & n2 are used as the I/p variables n3 is used as o/p variable.

Q.8 a)WAP in java which prints mark sheet in the following format:

(15)

San Sana Blanca	AB	CD WOMEN'S COLLEGE	,
Student Name:-		Roll No	
Subject	External	Internal	Total
WT	,	,	
ST			
AVAL			· · · · · · · · · · · · · · · · · · ·
IS .			
Total:		Percentage	

Class name	MrkSht	Student
Data Member	Variables for storing internals Variables for storing externals Variables for storing college name, student name, roll no. Variables for storing total	(Java main class, I/ps the value of internals and externals, requests for the mark sheet printing.) (the program should present a menu in front of the user prompting him to choose between following options: 1-Marksheet without student name and roll no. 2- Marksheet with student name and without roll no. 3- Marksheet with student name and roll no. 4-EXIT) (the program should continue until user opts for exit.)
Method Member constructors	 setMrk() (2 times) total() (2 times) percentage() display() Mrksht{) 	
	MrkSht(snam)MrkSht(snam,rno)	

Note: 1)setMrk methods are used for setting up internal and external marks.

2)All the external marks should be in double. 3)implement method overloading using setMarks. 4)All the internal marks should be in integer. 5)different constructors are used for implementing constructor overloading, where arguments snam & rno stand for student name and roll no respectively.

Page 2 of 2





Day & Date	Semester	Subject Name	Time	Code	Marks
Saturday 30/03/2019	V Repeater	Data Communication and Networking	02.30 PM to 05.00 PM	5101	75

- I) Question No. 1 is compulsory
- II) Attempt any 4 Questions from Question No. 2 to 8
- III) All questions carry equal marks
- IV) Draw neat and proper Diagram / Figure if necessary

Q.1	Short Notes. (Any Three)	15
	1. Data Communication Model	
	Co-axial Cable Synchronous Transmission	
	4. MAN	
Q. 2	Explain Transmission impairments - Noise, Attenuation, Delay Distortion.	15
Q. 3	a. Explain Mesh Topology is a Complete Network Topology.	08
	b. Explain Ring Topology.	07
Q. 4	a. Explain Circuit Switching.	08
Q. 1	b. Differentiate between LAN and WAN	07
Q. 5	a. Explain Analog and Digital Signals.	. 08
Q. 3	b. Explain Modulation and Channel Bandwidth	07
Q. 6	Explain OSI Reference Model in detail.	15
Q. 7	a. Explain Framing. Explain Character Count Method with diagram.	08
~	b. Explain Radio Waves.	07
Q. 8	a. Explain Unguided Media.	08
ų. b	b. Explain Persistent CSMA	07
	bi Enpidii i Civistoii eeiii.	

Day & Date	Semester	Subject Name	P
Tuesday 02/04/2019	V (Repeater)	Visual and Database Programming	02.30 · To 05.00 PM

- i) Question No. 1 is compulsory.
- II) Attempt any 4 questions from Q. 2 to Q. 8

Q. 1	Solve any 5 questions. $(5 \times 3 = 15)$	15
- ob	a. Explain For loop in vb.net.	15
*	b. Explain OLE.	and the second second
	c. Explain ListBox control.	
	d. What is CLR?	
	e. Explain if-else control structure with example. f. What is COM technology?	
	3	
Q. 2	a. What are different data types in VB.net? Explain them.	08
	b. What is IDE? Explain its components.	07
Q. 3	a. Explain different control structures in vb.net.	08
	b. Explain functions with returning value.	07
Q.4	a. Differentiate ADO and ADO.net.	08
	b. What is an Array? Explain different types of array.	07
Q. 5	a. Explain properties, methods and events of TextBox control.	08
	b. Explain private, public and protected access specifiers with example.	07
Q. 6	a. Explain architecture of .net framework.	07
	b. Explain MsgBox and InputBox.	08
Q. 7	a. Explain Color dialog control and Print dialog control.	08
all distances of	b. Explain with an example how to insert new record and delete existing	07
	record in data table using VB.net.	
0.8	Explain all the steps to generate report using Data Report or Crystal Report	rt. 15

J-7.B.CA

1)-7015

Days		,				
Day & Date	Semester	Subject Name		-	,	
Mada		oubject Name	Time	Code	Marks	1
Wednesday	V	1 - 4	02.30 PM			ł
03/04/2019	(Repeater)	Internet Programming	To	5104	75	ı
		-	05.00 PM	3104	75	ı
			03.00 PIVI			

- 1) Question No. 1 is compulsory
- Attempt any 4 questions from Question No.2 to Question No. 8 II)
- III) Give examples wherever necessary
- IV) Figure to right indicates full marks

Q1. Explain the following : i) Web	[15
ii) Digital Signature	
iii) Web Server	
- IV) Cookies	
v) Internet	
Q2. a) Explain GET method of Client request with example	
b) Define Encryption and explain it in detail.	[8] [7]
Q3. a) Explain Input Element of HTML	
b) Explain the different kinds of IS Donus Bores at	[8]
b) Explain the different kinds of JS Popup Boxes with example	[7]
Q4. a) What is List ? Explain its Types	
- Libit: Explain its 1 ypes	[8]
b) Create the following table with given background colours:	[7]
Colour (White)	
Red Green Black	



Q5.	a)	Write an HTML code to develop a Web page having two frame that divide the Web page into two equal rows and then divide the second row into two equal columns.	[8]
	b)	What is CSS? What are the advantages & disadvantages of Style Sheets/CSS	[7]
Q6.	a) b)	What is the use of TryCatch statements in JS Compare & Contrast – IF & SWITCH statements?	[8] [7]
Q7.	a) b)	Explain onFocus and onMouseover event. Explain String JS Object with example.	[8] [7]
Q8.		Using JavaScript print the series of: 1, 4, 9, 16, 25100 Write Short notes on JS timing	[8]
	b)	AAIRC OHOIT HOTOG GIT OF THE STATE OF THE ST	

Day & Date	Semester	Subject Name	Time	Code	Marks
Thursday 28/03/2019	V (Repeater)	Java Programming	02.30 PM To 05.00 PM	5103	75

Instructions:I)Q.1 is compulsory

II)Attempt any 4 from Q.2 to Q.8

	my 4 nome a.z. to cate			
III)Draw dia	grams wherever nece	essary		
Q.1) a) What is abstraction? Explain the	ne following principles	:		(8)
 Encapsulation 	. 1	*		
 Polymorphism 			1	
b) What are packages? Provide syntax		and class path w	ith example.	(7)
Q.2) a) What are interfaces? Explain w	ith an example.		5.	(7)
b) What is the Difference between				(8)
Q.3- a) What are Exceptions? Give its	lifferent types. Illustra	te the usage of fo	ollowing with exan	nple in
exception handling.			× . , ,	(10)
• try				
• catch				
• throws	8.7		,	
• finally		3,	` .	
b) How do you implement multipl	e Inheritances in Java	?	• **	. (5)
Q.4- a) What are access specifiers?Co	mment upon their usa	ge with respect to	the following Cri	teria(8)
Same class	DESPAINS 4777	The second of th	Company of the second of the second	
 Same package subclass 		•		
 Same package non subclass 	grand grand		,	•
 Different package subclass 			•	:
 Different package non subclass 	s.	•		
b) Explain different features of JA	VA in detail.			(7)
Q.5-a) WAP in java using switch instru	ction which implemen	nts the following:		(15)
1. Armstrong or not.	•		•	
2. Reverse of the given no.				
3. Prime or not prime.	2+ V			
4. Exit				
(The program should continue un	til user opts for EXIT)			471.41
Q.6 a) Write a program in JAVA which	n takes string as input	prints the input	ipon the screen u	
nput string is "exit	A B # 244.00			(8)
b) W.A.P which prints the half pyram	id of "*" on the scree	n; •••••		.; (7)
	1		•	:
		* * *	_	
•		•	•	

Class name	CalciV1(superclass)	CalciV2(subclass)	CalciUser(main class)
Data Member	n1,n2,n3	- 100 to	
Method Member	add(),sub(),mul()	percentage()	Java main class
*	,display(),div	display()	

Q.7)a)- For the given specifications, write a program in JAVA to implement a calculator

Note: a)Implement method overriding using display()

(15)







Day & Date	Semester	Subject Name	Time	Code	Marks
Monday 01/04/2019	V Repeater	Java Programming	02.30 PM To 05.00 PM	5102	75

- I) Question 1 is compulsory
- II) Solve any 4 from 2 to 8

Q.1Explain any 5 from the following with reference to Java. I) Java virtual machine	(15)
II) finalize method	
III) Abstract Class	
IV) Multithreading	
V) Predefined streams	
VI) Collection interfaces	
V1) Collection interfaces	
Q.2a) Explain the java Buzzwords	(7)
b) Explain the java's concept of overloading methods	 (8)
b) Emplant and January P	
Q.3a) Explain dynamic method dispatch.	(7)
b) Explain different visibility Controls used in Java?	 (8)
Q.4a) Explain the Life Cycle of Applet.	(7)
b) How interface can be used to support multiple inheritance.	(8)
	-
Q.5a) What is Inheritance? Benefits of Inheritance.	(7)
	(8)
b) Explain any three layout	
Q.6a) Explain the three uses of final keyword	(7)
Q.0a) Explain the times uses of man key word	(8)
b) Write a Java program to calculate & print Area & Perimeter of	(0)
Reactangle? Assume suitable Length & Breadth.	
Your program should contain a class 'Rectangle' and the methods	
voidRectCalc(float,float)	
voidRectShow()	
· · · · · · · · · · · · · · · · · · ·	

Q.7a) What is Method Overriding? Explain with example? (7)b) Write a java program to convert Decimal no into Hexadecimal format with the help of class' conversion' and method 'void d2h(int) (8) USE MULTIPLE CATCH Q.8 a) Define the terms: 1)Socket 2) port 3)TCP/4)IP 5)Inet Address 6)UDP (7)(8) b) Write a java program to read a string from user and print the output in following format -Eg I/p **SHUBHAM** O/p =**SHUBHAM** SHUBHA SHUBH SHUB SHU SH

S