m		DEFAF	TMENT OF COMP			1
	Course Code:	10CT22	Programme:	B. Sc., Computer Science	CIA:	Ι
	Date:	22-04-2022	Part:	III	Semester:	II
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	5
	Study Compon	ent:	Core Course			
	Course Title:	DATA STRUC	TURE			
		SEC'	FION – A (Remember	ing)		
swer A	LL the Questions:	520			(10 X 1 = 10 Max)	rks
	_refers to a value or	a set of values or f	facts		CO	1
Data	abase b) Data	c) Table d) Rec	ord			
	_ is a collection of fi	-	•		CO	1
,	File b) Data Item of		•			
	tify the non – linear		_		CO	1
	teger b) float c) Tre					
	*		ned over all items one b	•	CO2	2
	ear search b) Binar			Integer		
	1		nmonly performed in a	STACK	CO2	2
a) 7	, ,	d) 3 tegorized into whi	ch of the following?		CO2	,
				 ithm d) dynamic progra		<u>_</u>
,	*			between individual	v	2
		*	ked list.		a) CO.	,
	children node of sa	, , ,			COS	3
	inary tree b) tree	-				
			ing the end of the array	is called as	COS	3
			bly linked list. d) repr			
	situation in linked l	-	•	Ĩ	COS	3
a) O	verflow b) Under	rflow c) Zero	d) assignment			
		SEC	ΓΙΟΝ – B (Remember	ing)		
	y FIVE Questions:				(5 X 2 = 10 Ma)	
	e any two uses of a c				CO	
	the attributes of a L	•		_	CO	
	•	for Non Linear No	n primitive data structu	re?	CO2	
	ine a Stack?			2	CO2	
			n array in binary search	1?	CO3	
	the types of sorting				CO3	
7 Give	e the use of Pop() ir		TION – C (Understand	ing)	COS	3
ewor or	ny THREE Question		ION – C (Understand	ing)	(3 X 6= 18 Mai	nlza
	of a note on data stru)		$(3 \times 0 - 10 \text{ Mal})$	
	marize the represen	U U			CO	
	-			ues where question mark		
0 0110		FIELD	VALUES			-
	Size of the stac		6			
		ue of the Stack Top				
		ie of Stack Top	?			
		when Stack is Emp				
		vnen the stack is F				
1 Sum	Value of Top v marize the represen				CO2	2

- 23 Compare and analyze the insertion and deletion operations of Linear Arrays with a suitable algorithms CO1 and a program in C for each operation?
- 24 Explain the bubble sort and write a program in C to implement bubble sort?

CO2

<u> </u>		DE	PARTMENT OF CO				r
	Course Code:	10CT41	Programme:	B. Sc., Compute Science	er CIA:		I
	Date:	19-04-20	022 Part:	III	Semeste	er:	I
	Duration:	2 Hours	Academic Yea		Max. Ma		5
	Study Compos		Core		11411. 111		
_		T	ONAL DATABASE N	ANAGEMENT QVG	TEMO		·
	course ritie.	RELAIN	UNAL DATADASE I				
			SECTION – A (Remem	bering)			
	ALL the Question			-	(10 X 1 = 10 N)	(larks)	
1	A relational datab					CO1	
_		Fields	C. Records D. Keys				
2			nts a relationship among	a set of values.		CO1	
2		•	C. RowD. Entry	•	- 6 41 4	001	
3			n, there is a set of permitt ation C. Set I		of that	CO1	
4			lation is called as its	D. Schema		CO2	
-	A. Cardinality	B. Deg		es D. Entity		004	
5			scribes how data are store	5		CO2	
-			w level C. Abstr		l level		
6	In an E-R diagram					CO2	
			tionship among entity set	S			
			in attributes & entity set				
7	. In which of the f	ollowing is a	a single-entity instance of	one type related to many	y entity	CO3	
	instances of anoth						
			B. One-to-Many				
			p D. Composite R	elationship			
8	The schema for hi			5 M		CO3	
0	A. A tree	B. A G				001	
9			ne a new assertion in SQ	L?		CO3	
	A. create check C. create where		te assertion where				
10	Which is a unary of		ate assertion check			CO3	
10	A. Selection opera		B. Primitive operation			COS	
	C. Projection oper		D. Generalized selection	n			
	C. I lojection oper		SECTION – B (Remem				
Answer	any FIVE Questio			ivering)	(5 X 2 = 10 N)	(Jarks)	
	What are the uses				(* * - *	C01	
12	What is the differe	ence between	n a weak and a strong ent	ity set?		CO1	
	How data models					CO2	
14	Define primary ke	y with an ex	ample.			CO2	
15	What is the different	ence between	n key and superkey?			CO3	
	What is relational	•				CO3	
17	Define relational of					CO3	
			SECTION – C (Underst	anding)		/	
	any THREE Ques				(3 X 6= 18 N		
18	What are the desir					CO1	
19	Explain about the					CO1	
			SQL with examples.			CO2	
	What is query lang			ations with illustrative or	amples	CO2 CO3	
22	Explain the use of	SELECT,PI	ROJECT and JOIN opera SECTION – D (Appl)		ampies.	CUS	
Answer	any ONE Question	1.	SECTION - D (Appl	J 111 <u>G</u> /	(1X 12= 12 N	[arke)	
	•		the basic architecture of a	database management s		CO1	
		•	m explain a banking sys	6	,		

CO2

24 With the help of an E-R diagram, explain a banking system.

TOTTER WE	DEPARTMENT OF COMPUTER SCIENCE						
	Course Code:	10CT42	Programme:	B.Sc., Computer Science	CIA:	Ι	
	Date:	22-04-2022	Part:	III	Semester:	IV	
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	50	
HANDHEARTHEAD	Study Component:		Core				
	Course Title:	e Title: DOT NET PROGRAMMING					

SECTION – A (Remembering)

	SECTION – A (Remembering)	
Answer	r ALL the Questions: $(10 \times 1 = 10 \times 1)$	(Iarks)
1	A GUI:	CO1
	A. uses buttons, menus, and icons. B. should be easy for a user to manipulate.	
	C. stands for Graphic Use Interaction. D. Both a and b.	
2	Which is not a main component of the Visual Studio IDE?	CO1
	A. Solution Explorer. B. Tool Box. C. Start Menu. D. Designer Window.	
3	Which is not a common property of the control class?	CO1
	A. Show. B. BackColor. C. Font. D. ForeColor.	
4	How many predefined data types can be defined in VB.NET for the use in a programs?	CO3
	A.1 B. 2 C. 12. D. None.	
5	Visual Studio .NET provides feature?	CO3
	A. debugging.B. application deployment. C. syntax checking. D. All of the above.	
6	Properties are used to represent	CO3
	A. actions. B. classes. C. data. D. events.	
7	Anything in VB.NET that has a property or method is	CO3
	A. a class. B. a control. C. an object. D. Both a and b.	
8	The .NET Framework provides a run time environment called	CO4
	A. CLR B.RC C. RCT D. RTE	
9	The control has a in-built support for Sort, Filter and paging the Data.	CO4
	A. DataGrid B. DataList C. Repeater D. FormView	
10	Which control enables the user to display the rows of data from a data source in a list?	CO4
	A. DataGrid. B. DataList. C. Repeater. D. DataRepeater.	
	SECTION – B (Remembering)	
Answer	r any FIVE Questions: $(5 \times 2 = 10 \times 10^{-5})$	(Jarks)
11	Define dot net?	CO1
12	What do you mean by CLR?	CO1
13	Define Class with real time example.	CO3
14	Define Object.	CO3
15	Explain any four advantage of OOPS	CO3
16	Write any two tools with example.	CO4
17	Different between label and link label	CO4
	SECTION – C (Understanding)	
	r any THREE Questions: $(3 \times 6 = 18 \times 6)$	
18	Benefits of dot net.	CO1
19	Explain the visual studio IDE.	CO1
20	Explain about interface with example program.	CO3
21	Explain about List Box with example.	CO4
22	Explain the Rich Textbox with example.	CO4
	SECTION – D (Applying)	
Answei	r any ONE Question: (1X 12= 12 M	,
23	Explain about the Dot Net Framework components with diagram.	CO1
24	Discuses about Radio button, Check box and picture box with example.	CO4
	&&&&&	

	DEPARTMENT OF COMPUTER SCIENCE						
	Course Code:	10CT61	Programme:	B. Sc Computer Science	CIA:	I	
	Date:	22-04-2022	Part:	III	Semester:	VI	
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	50	
	Study Component:		Core				
	Course Title:	WEB PROGRAMMING					

SECTION – A (Remembering)

	SECTION – A (Remembering)	
Answe	er ALL the Questions: (10 X 1 =	10 Marks)
	Expand HTML?	CO1
	A. Hyper Texture Making of Language.	
1	B. Hyper Text Markup Language.	
	C. Hyper Text Marking of Links.	
	D. Higher Text Markup Language.	
2	Which HTML tag is used to display a picture on a webpage?	CO1
2	A. picture. B. image. C. img. D. src.	
2	tag makes the enclosed text into italic.	CO1
3	A. $\langle b \rangle$ B. $\langle a \rangle$ C. $\langle u \rangle$ D. $\langle i \rangle$	
	Where is the correct place to insert a JavaScript?	CO2
4	a) The <head> section b) The <body> section</body></head>	
4	c) The <title> section d) Both the <head> section and the <body> section are</td><td></td></tr><tr><td></td><td>correct</td><td></td></tr><tr><td>5</td><td>The element is used to create an unordered list.</td><td>CO2</td></tr><tr><td>5</td><td>A. h1. B. h6. C. ul. D. hr.</td><td></td></tr><tr><td></td><td>A proper scripting language is a</td><td>CO2</td></tr><tr><td>6</td><td>a)High level programming language b)Assembly level programming language</td><td></td></tr><tr><td></td><td>c)Machine level programming language d)Low level programming language</td><td></td></tr><tr><td>7</td><td>What is the correct syntax for referring to an external script called "xxx.js"?</td><td>CO3</td></tr><tr><td>1</td><td>a)<script name="xxx.js"> b) <script src="xxx.js"></td><td></td></tr><tr><td></td><td>How do you write "Hello World" in an alert box?</td><td>CO3</td></tr><tr><td>8</td><td>a) alertBox("Hello World"); b) msg("Hello World");</td><td></td></tr><tr><td></td><td>c) alert("Hello World"); d) msgBox("Hello World");</td><td></td></tr><tr><td></td><td>How do you create a function in JavaScript?</td><td>CO3</td></tr><tr><td>9</td><td>a) function myFunction() { statements } b) function = myFunction() { statements }</td><td></td></tr><tr><td></td><td>c) function:myFunction() { statement } d) function::myFunction() { statements }</td><td></td></tr><tr><td></td><td>How do you call a function named "myFunction"?</td><td>CO3</td></tr><tr><td>10</td><td>a) myFunction(); b) function:myFunction(); c) call myFunction();</td><td></td></tr><tr><td></td><td>d) call function myFunction();</td><td></td></tr><tr><th></th><th>SECTION – B (Remembering)</th><th></th></tr><tr><th>Answe</th><th>er any FIVE Questions: <math>(5 \times 2 =</math></th><th>10 Marks)</th></tr><tr><td>11</td><td>Define frames</td><td>CO1</td></tr><tr><td>12</td><td>List out any four protocols NAME</td><td>CO1</td></tr><tr><td>13</td><td>How to place a text in browser using javascript</td><td>CO3</td></tr><tr><td></td><td></td><td>a o -</td></tr></tbody></table></title>	

CO2

14 Define Netscape

15	Write a javascript program to display greetings with your name	CO2
16	Write about DOM	CO3
17	Differentiate client and server	CO3

SECTION – C (Understanding)

Answe	r any THREE Questions:	(3 X 6= 18 Marks)
18	Explain basics of internet	CO1
19	Explain briefly about Textbox and submit button elements with example	CO3
20	Discuss about structure of HTML	CO1
21	List out the advantages of JavaScript	CO2
22	Discuss about dialogue boxes in JavaScript	CO2
	SECTION – D (Applying)	
Answe	r any ONE Question:	(1X 12= 12 Marks)
23	Explain about operators and expressions in JavaScript	CO2
24	illustrate different stylesheets and selectors with example	CO1

		DEPAR'	TMENT OF COMPU	JTER SCIEN	CE	
7	Course Code:	10EP6A	Programme:	B.Sc., Compu Science	uter CIA:	
	Date:	23-04-2022	Part:	III	Semester	:
	Duration:	2 Hours	Academic Year:	2021-22	Max. Mar	ks:
	Study Compo	nent:	Elective			
	Course Title:	DATA MININ	G AND DATA WAR	EHOUSING		I
		SECT	ION – A (Rememberi	ng)		
	ALL the Questions				(10 X 1 = 10 Ma)	
1			a process to extract data p c) Data mining d) Pat			C O 1
2	includes dat	a cleaning, data into	egration, data selection, d (KDD b) data warehouse	lata transformatio		C O 1
3	General characteris	tics or features of a	a target class of data refer n c) Data Discrimination	s to		C O 1
4	is a subject-or	riented, integrated,	time - variant and non-ve			C O2
	to support manager		6			
5	a) Database b) RD The core of the mu		ing d) Data warehouse			C O2
0	a) Database b) Dat					
6			data integration, data clea	ning and data cor	nsolidation.	C O2
7	a) DBMS b) Data c		nouse d) Data mart le structure, data history, a	algorithms used f	or summarization	C O 3
/			use form and system perf		or summarization,	
	a) OLAP b) Data d	lictionary c) Meta	data repository d) relation	ons		
8			dispersion of data	_		C O 3
n			an d) weighted average	oorgor gronular	ity by magne of	C O 3
9	-	-	r granularity data to a c p b) Drill-down c) Dic	-		LUS
0	00 0	· · · · · · · · · · · · · · · · · · ·	n the presence or absence	U / U		C O 3
-	a) Boolean associat	tion rule b) quantita	ative association rule c) d			
	multilevel associati			、 、		
vor	any FIVE Questic		'ION – B (Rememberi	ng)	(5 X 2 = 10 Ma)	rlza)
	Define KDD?				•	CO1
	Define a Data Wa	arehouse?				C O 1
3			nalytical Processing?			C O 2
4	Give the advantag	ges of using a Dat	ta Warehousing?			C O 2
5	Define Concept d		C C			C O 3
6	Define Temporal D	Databases?				C O 3
7	List the Types of so	chema in multidime	ensional datamodel?			C O 3
		SECT	ION – C (Understandi	ing)		
ver	any THREEQues	stions:			(3 X 6= 18 Ma	rks)
3			ining in the industry?			C O 1
)	Identify the issues	-				C O 1
0	ē		rization and Data discri			C O2
				1 . 0		000
1 2	-		nalysis and Evolution and varehousing system?	alysis?		CO2 CO3

Answer	any ONE Question:	(1X 12= 12 Marks)
23	Enumerate on the Data mining functionalities used for mining patterns?	CO1
24	Explain the architecture of data mining system?	CO2

			IENT OF COMPUT			
	Course Code:	10SB62	Programme:	B.Sc., Computer Science	CIA:	I
	Date:	15-04-2022	Part:	IV	Semester:	VI
	Duration:	1 Hour	Academic Year:	2021-22	Max. Marks:	25
HANDHEARTHEAD	Study Compo	nent:	Skill Based			
	Course Title:	CYBER SEC	URITY		1	
Answe	r ALL the Questions		SECTION – A		(5 X 1 = 5 Marks)	
	Which of the follow		ntivirus program?	· · · · · · · · · · · · · · · · · · ·	$5 \times 1 = 5$ Walks) CO1	
T	A.Quick heal	B.McaFee		sky D. All of		
2	•		, there arety		CO1	
	A. 1	B. 2	, there arety C.3	D.4	COI	
3	Code Red is a type		0.5	D. 1	C01	
5			editing software C. A	Computer Virus D		
4			forming footprinting und		CO2	
•	A. Whois search	0 1	C. Ping sweep			
5	What is the next step	to be performed af			CO2	,
		B. Enumeration	n C. System ha	cking D. None		
			SECTION – B			
	r any TWO Question	ns:		((2 X 2 = 4 Marks)	
6	Define Security				CO1	
7	What is meant by C	•			CO1	
	Define FootPrinting				CO2	
9	List out the types of				CO2	
			SECTION – C			
	r any ONE Question				(1 X 6= 6 Marks)	
10	Write about Ethical	Hacking, Ethics,	and Legality		CO1	

SECTION – D Answer any **ONE** Question: (1 X 10= 10 Marks) 12 Explain about the Different Types of Hacking Technologies. **CO1** 13 Explain the E-Mail Tracking Works. **CO2**

CO2

11 Describe about the Information Gathering Methodology

	VIVEKA	NANDA COLLI	EGE, TIRUVEDAK	AM WEST - 6252	34		
	DEPARTMENT OF COMPUTER SCIENCE						
	Course Code:	10AE21	Programme:	B. Sc., Computer Science	CIA:	Ι	
	Date:	23-04-2022	Part:	III	Semester:	II	
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	50	
CHARD CONTRACT	Study Compo	nent:	Ability Enhancement Course				
	Course Title:	Course Title: STATISTICS & PROBABILITY					

SECTION – A (Remembering)

	SECTION – A (Remembering)	
Answei	• ALL the Questions:	(10 X 1 = 10 Marks)
1	The totality of all objects under a study is called	CO1
	a) Sample b) Group C)Population d)Specimen	
2	Which of the following is not an example for a primary data?	CO1
	a) Mailed questionnaire b)Local correspondents c)Indirect oral investigation	
	d)Survey reports in newspapers, journals Multiple choice question with four	options
3	What is the simple arithmetic mean of 15,0,36,0 and 9?	CO1
	a)20 b)15 c)10 d)60	
4	Which of the following relations always hold true?	CO2
	a)For equal observations AM=GM b) For equal observations GM ≤ AM	
	c) For Unequal observations AM ≤ GM d) For unequal observations AM = GM	1
5	Which among the following is not a commonly used measure of dispersion?	CO2
	a)Range b)Median c)Standard Deviation d)Mean Deviation	
6	What is the range of the following data?	CO2
	Class 40-45 45-50 50-55 55-60 60-65 65-70	
	Frequency 4 13 14 12 5 2 a)20 b)30 c)25 d)35	
7	is the study of functional relationship between the variables, making it	1
	predict /estimate the unknown value of one of the variables from the known v	alue of the
	other.	
	a) Correlational Analysis b)Regression Analysis c)Mean Difference Analysis	9
	d)None of these	
8	Which among the following is a sample space obtained while tossing a coin	CO3
	thrice?	
	a {(H,T),(T,H),(T,T),(H,H)} b) {(H,H,H),(H,T,T),(T,T,T)}	
	$c){(H,H),(T,T)} d{(H,H,H),(H,H,T),(H,T,T),(T,H,T),(H,T,H),(T,T,H),(T,H,T),(T$	
9	Quartile Deviation or Semi-inter quartile range is given by	CO3
	a)(Q2-Q1)/2 b)(Q3-Q2)/2 c)(Q3-Q1)/2 d)(Q3-Q1)/Q2	
10	Which among the following is equal to the measure at the $(N+1)/2$ th position	n of an CO3
	ordered data?	
	a)Median b)2nd Quartile c)Both (a) and (b) d)Neither (a) nor (b)	
	SECTION – B (Remembering)	
	any FIVE Questions:	(5 X 2 = 10 Marks)
11	Mention the graphical representation of a frequency distribution.	C01
12	What are the requisites for an ideal measures of central tendency.	CO1
13	Mention some of the characteristics for an ideal measures of Dispersion.	CO2
14	Write a formulae for the (i) Mean deviation (ii) Range (iii) Quartile deviation (iv) Se deviation	tandard CO2
15	What do you mean by random experiment.	CO3
15	Define Mutually exclusive event.	CO3
10	Define Equally Likely event.	CO3
1/	Define Equary Divery event.	003

SECTION – C (Understanding)												
Answei	any '	ΓHRI	E E Ç	Jues	tions:							(3 X 6= 18 Marks)
18	Find	the art	hime	etic n	nean fo	follow	ving distr	ibution.				CO1
	Х	1	2	3	4	5	6	7				
	F	5	9	12	17	14	l 10	6				
19	Find	the ari	ithme	etic n	nean fo	follow	ving distr	ibution		_		CO1
	clas	S	0	-8	8-16	16-24	24-32	32-40	40-48			
	Free	quency	/ 8		7	16	24	15	7			
20	Expla	ain abo	out th	ne dis	spersior	with g	iven exa	mple				CO2
21	Discu	iss abo	out th	ne me	easures	of disp	ersion					CO2
22	What	t is the	char	nce tl	hat a lea	ip year	selected	at random	will contai	n 53 S	undays?	CO3
SECTION – D (Applying)												
Answer any ONE Question:									(1X 12= 12 Marks)			
23	Find	the me	edian	for	followi	ng distr	ibution					CO1
	wag	ges		20	000-300	0 30	00-4000	4000-50	00 5000-	6000	6000-7000	

	No.of.Workers	3	5		20	10	5			
24	Calculate the qua	rtile devia	ation and	mean devi	iation from	m the mean	n for the f	following da	ata.	CO2
	Marks	0-10	10-20	20-30-	30-40	40-50	50-60	60-70		
	No.of students	6	5	8	15	7	6	3]	

	VIVEKA	NANDA COLLI	EGE, TIRUVEDAK	AM WEST - 6252	34						
	DEPARTMENT OF COMPUTER SCIENCE										
Former Weight	Course Code:	10AT41	Programme:	B. Sc Computer Science	CIA:	Ι					
	Date:	23-04-2022	Part:	III	Semester:	IV					
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	50					
HAND HEART HEAD.	Study Compor	nent:	Allied								
	Course Title: NUMERICAL METHODS FOR COMPUTER SCIENCE										

SECTION – A (Remembering)

		SECTION -	A (Remembering)	
Answei	ALL the Questions:			(10 X 1 = 10 Marks)
1	E ⁴ -4E ³ +6E ² +-4E+1=			CO2
	$E^{4}-4E^{3}+6E^{2}+-4E+1=-$ a) E^{4} b)(E-1) ⁴	C) (E+1) ⁴	D)(E-1) ³	
2	EY ₀ =			CO2
	a) Y_{-1} b) y_0 c) y_1 d) y_2			
3	formulae u		iterval	CO2
		-	d c) Guass forward and backwa	ard d) all
4	The number of elements in			CO3
	a) mn			
	b) m+n			
	c) m-n			
	d) n+m			
5	The order of the matrix $B=$	[1 2 5 7] is		CO3
	a) 1*1			
	b) 1*2			
	c) 1*4			
	d) 1*3			
6	rule is applicabl	e only when n	is a multiple of 3.	CO3
	a) Weddle's	2		
	b) Trapezoideal			
	c) Simpson's 1/3			
	d) Simpson's 3/8			
7	Interpolating polynomial is	also known as		CO4
			nction. c)collocation polynomial.	d)interpolating
	formula.	1 0		
8	In Lagrange's interpolation	formula, the va	alue of $1(x1) = $	CO4
	a)0. b)1 c)2. d)3			
9	Newton divided difference	formula only for	or intervals.	CO4
	a)Equal. b)Unequal.	c)Open.	d)Closed.	
10	An unequal interval, we can			CO4
	a)Newton Forward Interpol	lation Formula.		
	b)Newton Backward Interp	olation Formul	a.	
	c)Newton Forward Differen	nce Formula.		
	d)LaGrange's Interpolation	Formula.		
		SECTION -	B (Remembering)	
Answer	any FIVE Questions:			(5 X 2 = 10 Marks)
11	Define interpolation			CO2
12	Write a procedure to solve		tion inverse method	CO2
13	Steps to solve Gauss Jordan	n method		CO3
14	State central interpolation			CO3
15	Evaluate Actual integration	$\int_{1}^{1} \frac{1}{1+1}$		CO4
	C	$y = 1 + x^2$		

16	Write down	Trapez	oidal r	ule fo	rmula									CO4
17	When we us	-												CO4
	v non ve u	o omp	bon b.			– C	(Unders	stan	ding)					001
Answer	any THREE	E Ouest	ions:			Ŭ	(ender		9/				(3 X 6= 18	Marks)
18		- ((0 12 0 20	CO4
10	Evaluate \int_{-3}^{3}	x4 by u	ising Ti	ranezo	idal and	Simp	son's bo	th ru	ıle					001
19	from the follo									a				CO3
19	X	20		<u>a y(55</u> 30	4(50	11 5 1	loimun	ı				005
	Y	512	-	439		<u>.</u> 46	243	3						
20	Apply Guas								the fol	lowin	g tabl	e		CO3
-0	X		25	iiuiu u	3		(02) 11		35	10 11 11	-	40		7
	Y=f(x)		$\frac{-0}{0.2707}$	7	_	.3027			0.3386	5		0.37	94	-
21	Solve the fo								0.00000	,		0.07		CO2
		1000112	, 5 , 5 , 5 , 6 , 6 ,				y + z =							001
							y + z =							
							y + z = y + z =		•					
							y + 4z =		•					
					<i>vv</i> 1	лту	- 172 -	- (0					
22	Find the mis	ssino va	lue of	the ta	hle									CO2
	X			the ta	1		2		1	3		4		
	Y	1			2		4		•	J		1	6	-
	1	1				ON	D (App	Juir		-		1	5	
Answer	any ONE Q	Jugation	· ·	r.			ъ (App	nyn	ig)				(1X 12 = 12)	Morke)
	•	-		find v	-12 on	1 v _ Q	1 and av	nro	aa tarn	as of	V		(1A 12-12	CO2
23	From the for	40	table	50	-45 and	<u>60</u>		70	55 lei II	8			90	
	Y	184		204					0	-	76		304	-
24		-	f(20)		$(14)_{-22}$	226	_25	$\frac{250}{1 f(2)}$				for for		
24	(i)Find f(25)) given	1(20)=	14, I(2	24)=32,	, 1(28)	=35 and	11(3	52)=40	using	g Gaus	SS 101	ward	CO3
	formula	here here	- 1	1 form	ulo fir	1 + 1	onvlat:	~~ -	f 1024		n that			
	(ii) using Ga	auss dac	1			^	•	un o		b give			1051	7
	Year		1901		1911		1921		1931		1941		1951	

&&&&&&&

Population(1000)

	DEPARTMENT OF COMPUTER SCIENCE										
	Course Code:	10CT21 Programme:		B. Sc., Computer Science	CIA:	Ι					
	Date:	19-04-2022	Part:	III	Semester:	II					
	Duration:	2 Hours	Academic Year:	2021-22	Max. Marks:	50					
GEAR	Study Compon	ent:	Core Course								
	Course Title:	OBJECT OR	IENTED PROGRAM	MMING WITH C++							

SECTION – A (Remembering)

		BECHON-	- A (Remembering)		
Answe	r ALL the Questions:				X 1 = 10 Marks)
1			s, inheritance and		CO1
1	A. Encapsulation. B.		C. Object identity.	D. Functions.	
2	A structure defines a		0	D	CO1
		B. pointers.	C. arrays.	D. variables.	001
3	Which of the following a A. ++ B	s?:	C. ==	D. &&	CO1
	A. ++ B Ais		C	D. aa	CO2
4	A. code. B		C. variable.	D. pointer.	02
	Function overloading is	5		- · F	CO2
5	A. operator overloading				
	C. destructor overloadin				
6	Public, private, protected				CO2
0			C. access specifies.		
7			itialize the instance variab		CO3
	A. Member function		C. Constructor	D. Structure	001
8	A Class can have how m A. 1	B. 2	C. 3	D. 4	CO3
	A. I function is a			D. 4	CO3
9	A. Friend. B. Inline		e. D. Member.		005
			pansion of the function tak	es place rather th	an CO3
10	execution.			I	
	A. Friend.	B. Inline.	C. Recursive.	D. Member.	
		SECTION -	- B (Remembering)		
Answe	r any FIVE Questions:			(5	X 2 = 10 Marks)
11	Any TWO difference	between C and C+	+		CO1
12	Define Encapsulation				CO1
13	Define Methods				CO2
14	Define Class				CO2
15	Define Constructor?				CO3
16	Define Destructor.				CO3
17	List out the types of C	ostructors			CO3
		SECTION -	C (Understanding)		
Answe	r any THREE Question	is:	_	(3	X 6= 18 Marks)
18	Explain about Increme	ent and Decrement	Operator with Example		CO1
19	Write about WHILE a	and DO-WHILE Lo	oop with Example		CO1
20	Explain about the Sco	pe resolution Operation	ator		CO2
21	Write a C++ program				CO2
22	Write short notes on C		•		CO3
		1.	N – D (Applying)		
Answe	r any ONE Question:			(1)	X 12= 12 Marks)
23	•	t the basic concept	s of OOPs with example		CO1
24	Apply the concept of I				CO2
			1		