	VIVEKAN	ANDA COLLE	GE, TIRUVEDAK	AM WEST - 625	234				
		DEPARTI	MENT OF COMPU	TER SCIENCE					
	Course Code:	10SE31	Programme:	B.Sc., Computer Science	CIA:	Ι			
	Date:	30.08.2022	Part:	IV	Semester:	III			
	Duration:	1 Hour	Academic Year:	2022-23	Max. Marks:	25			
AAAAAA HEARI MEAN	Study Compor	nent:	Skill Enhanceme	ent Course					
	Course Title:	OPERATING	SYSTEM						
			SECTION – A						
Answer	ALL the Questions	:			(5 X 1 = 5 Marks	3)			
1	What is an operatin	ng system?			CO	1			
	a) interface betwee	n the hardware a	nd application program	ns					
	b) collection of pro	grams that mana	ges hardware resource	es					
	c) system service p	rovider to the ap	plication programs						
	d) all of the mentio	ned							
2	2 Which of the following is not an operating system? CO1								
2	a)Windows b) Li	inux c)Oracle	d)DOS		00	.1			
3	which of the follow	wing is the extension	sion of Notepad?		CO	1			
Λ	a) .txt b) .xts c	file in your comp) wter where does it go	9	CO	1			
	a)Recycle bin b)Ha	CO	1						
5	Which of the follow	wing is a single-u	user operating system?		CO	1			
-	a) Windows b)N	MAC c) M	ls-Dos d) None of t	hese		-			
	, , ,	,	SECTION – B						
Answer	any TWO Question	ns:			(2 X 2 = 4 Marks	5)			
6	Define operating sy	ystem			CO	1			
7	List out operating s	system functions			CO	1			
8	Define input device	e			CO	1			
9	Define run state				CO	1			
			SECTION – C			`			
Answer	any ONE Question	: 	rduara programming	and operating system	(1 X 6= 6 Marks)	5) 1			
10	Explain device may	concepts on ha	function	and operating system		1			
11		hagement and its	SECTION – D			T			
Answer	any ONE Ouestion	:		(1 X 10= 10 Marks	5)			
12	Explain operating s	system process vi	iew point with neat dia	agram	CO	1			
13	Explain about oper	ating system reso	ource manager	-	CO	1			

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	DEPARTMENT OF COMPUTER SCIENCE								
- NIK	Course Code:	10AE11	L	Programme:	B.Sc. Computer Science	CIA:	Ι		
	Date:	06.09.2	2022	Part:	III	Semester:	Ι		
	Duration:	2 Hours	S	Academic Year:	2022-23	Max. Marks:	50		
	Study Compo	nent:	Abili	ity Enhancement (Course				
	Course Title:	DISCRI	ete i	MATHEMATICS					

SECTION – A (Remembering)

Answer	ALL the Questions:	(10 X 1 = 10 Marks)
1	A compound proposition that is neither a tautology nor a contradiction is called a	CO3
	a) Contingency b) Equivalence c) Condition d) Inference.	
2	A compound proposition that is always is called a tautology.	CO3
	a) True b) Falsec) Either true or false d) neither true nor false	
3	A compound proposition that is always is called a contradiction.	CO3
	a) True b) Falsec) Either true or false d) neither true nor false	
4	If P then Q is called statement a) Conjunction b) Disjunction	c) CO3
_	Conditional (d) bi conditional	mantany aum CO3
3	A sum of the variables and their negations in a formula is called a) ele	themary sum CO3
6	A product of the variables and their negations in a formula is called	CO3
U	a) elementary product b) elementary sum c) CNF d)DNF	005
7	Min-terms of two statements are formed by introducing the connective	CO3
	a)Conjunction b) Disjunction c) Conditional d) negation	000
8	If A and B are square matrices such that $AB = I$ and $BA = I$, then B is	CO2
	a) Unit matrix b) Null matrix c) Multiplicative inverse matrix d) –A	
9	Which one of the following statement is not true?	CO2
	a) A scalar matrix is a square matrix b)A diagonal matrix is a square matrix	
	c) A scalar matrix is a diagonal matrix d) A diagonal matrix is a scalar matrix	
10	Matrix A=[aij]mxn is a square matrix if	CO2
	a) $m < n$ b) $m > n$ c) $m = 1$ d) $m = n$	
	SFCTION = B(Romomboring)	
	SECTION - D (Keineinbering)	
Answer	any FIVE Questions:	(5 X 2 = 10 Marks)
Answer 11	any FIVE Questions: Define Proposition	(5 X 2 = 10 Marks) CO3
Answer 11 12	any FIVE Questions: Define Proposition Define Tautology	(5 X 2 = 10 Marks) CO3 CO3
Answer 11 12 13	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b)	(5 X 2 = 10 Marks) CO3 CO3 CO3
Answer 11 12 13 14	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3
Answer 11 12 13 14 15	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3
Answer 11 12 13 14 15 16	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3 CO2
Answer 11 12 13 14 15 16 17	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2
Answer 11 12 13 14 15 16 17	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding)	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3 CO2 CO2
Answer 11 12 13 14 15 16 17 Answer	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions:	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3 CO2 CO2 CO2 (3 X 6= 18 Marks)
Answer 11 12 13 14 15 16 17 Answer 18	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3
Answer 11 12 13 14 15 16 17 Answer 18 19	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (\sim a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that \sim (P _^ Q) \rightarrow [\sim PV (\sim PVQ)] $\Leftrightarrow \sim$ PVQ	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO3
Answer 11 12 13 14 15 16 17 Answer 18 19 20	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P_A Q) \rightarrow [~PV (~PVQ)] \Leftrightarrow ~PVQ If A = $\begin{pmatrix} 2 & -3 & 1 \\ 2 & -3 & 1 \end{pmatrix}$ Show that A(A-I)(A+2I) = 0.	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO3 CO3
Answer 11 12 13 14 15 16 17 Answer 18 19 20	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P_AQ) \rightarrow [~PV (~PVQ)] \Leftrightarrow ~PVQ If A = $\begin{pmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ 5 & 2 & 4 \end{pmatrix}$ Show that A(A-I)(A+2I) = 0.	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO3 CO3 CO3
Answer 11 12 13 14 15 16 17 Answer 18 19 20	SECTION – B (Kentenbering) any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P _A Q) → [~PV (~PVQ)]⇔~PVQ If A = $\begin{bmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{bmatrix}$ Show that A(A-I)(A+2I) = 0.	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO2
Answer 11 12 13 14 15 16 17 Answer 18 19 20 21 22	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P_AQ) \rightarrow [~PV (~PVQ)] \Leftrightarrow ~PVQ If $A = \begin{bmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{bmatrix}$ Show that A(A-I)(A+2I) = 0. Explain addition, subtraction and multiplication of matrix with example Obtain PDNE and PCNE for the following Q_{A} (D V 7Q)	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO2 CO2
Answer 11 12 13 14 15 16 17 Answer 18 19 20 21 22	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P _A Q) → [~PV (~PVQ)]⇔~PVQ If A = $\begin{pmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{pmatrix}$ Show that A(A-I)(A+2I) = 0. Explain addition, subtraction and multiplication of matrix with example Obtain PDNF and PCNF for the following Q ^ (P V 7Q)	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO2 CO2 CO2
Answer 11 12 13 14 15 16 17 Answer 18 19 20 21 22 Answer	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P^Q) → [~PV (~PVQ)] ⇔ ~PVQ If A = $\begin{pmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{pmatrix}$ Show that A(A-I)(A+2I) = 0. Explain addition, subtraction and multiplication of matrix with example Obtain PDNF and PCNF for the following Q ^ (P V 7Q) SECTION – D (Applying)	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 CO2 CO2 CO3
Answer 11 12 13 14 15 16 17 Answer 18 19 20 21 22 Answer	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P_AQ) \Rightarrow [~PV (~PVQ)] \Leftrightarrow ~PVQ If $A = \begin{bmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{bmatrix}$ Show that A(A-I)(A+2I) = 0. Explain addition, subtraction and multiplication of matrix with example Obtain PDNF and PCNF for the following Q (P V 7Q) SECTION – D (Applying) any ONE Question:	(5 X 2 = 10 Marks) CO3 CO3 CO3 CO3 CO3 CO2 CO2 CO2 CO2 CO2 CO3
Answer 11 12 13 14 15 16 17 Answer 18 19 20 21 22 Answer 23 31 4	any FIVE Questions: Define Proposition Define Tautology Draw a logic network of a.b + (~a + b) Let a= Raja is good boy b= Raja is handsome. Write the Disjunction format Write the truth table i) AND ii) Biconditional Define Matrix Write about Square and Diagonal Matrix SECTION – C (Understanding) any THREE Questions: Verify if the proposition (P vQ) VRVS is tautology or not Prove that ~ (P _A Q) → [~PV (~PVQ)]⇔~PVQ If A = $\begin{pmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{pmatrix}$ Show that A(A-I)(A+2I) = 0. Explain addition, subtraction and multiplication of matrix with example Obtain PDNF and PCNF for the following Q ^ (P V 7Q) SECTION – D (Applying) any ONE Question: Construct the truth table and find the PDNF and PCNF for (~P ^ (~Q_AR))V((Q_AR)v	$(5 X 2 = 10 Marks)$ CO3 CO3 CO3 CO3 CO3 CO3 CO2 CO2 (3 X 6= 18 Marks) CO3 CO3 CO2 CO2 CO2 (1X 12= 12 Marks) (P_{R})) CO3

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		DEPARTI	MENT OF COMPU	TER SCIENCE		I ester: III Marks: 50
TOTTO	Course Code:	10AE31	Programme:	IER SCIENCEB.Sc. Computer ScienceIIISemester2022-23Max. Marnent Course	CIA:	Ι
	Date:	06.09.2022	Part:	III	Semester:	III
	Duration:	2 Hours	Academic Year:	2022-23	Max. Marks:	50
	Study Compor	ient:	Ability Enhancen	nent Course		I III :s: 50
	Course Title:	OPERATION	IS RESEARCH			

SECTION – A (Remembering)

Answer	ALL the Questions:							(10 X 1 = 10 Marks)
1	OR employs team of							CO1
	a) scientists from various discipli	nes b) mil	itary	expe	erts	c) doctors	d) teachers
2	OR increases of abilit	y.						CO1
	a) decision making b) knowled	ge	c) s	peak	ing	d)	vison	
3	represents real-life system	m						CO1
	a) model b) action c) char	acter	d	l) dec	cisio	n		
4	When the operation research cond	cept v	vas f	ound	ed?			CO1
	a) during world war I b) durin	ig wo	rld w	var I	d	l) By	accidently	d) 1968
5	Operations research analysts do n	ot						CO1
	a) Predict future operations b) I	Build	more	e thai	n one	e mo	del	
	c) Collect relevant data d) R	lecon	nmen	d de	cisio	n and	d accept	
6	operations Research approach is				·			CO1
	a) multi-disciplinary b) scient	ific	c)	intu	itive	d)	collect essen	tial data
7	The first step in solving Operation	ns Re	searc	h pr	oblei	n is		CO1
	a) Model building b)) Obta	ain b	asic f	feasi	ble s	olutions	
	c) Formulation of the problem d)	Obta	ain al	terna	te so	olutic	ons	
8	Which method is used to obtain opti	mum	soluti	on fo	r TP	?		CO5
	a) VAM b)LCM c) H	Iunga	rian	d) r	none			~~~
9	If m+n-1= number of occupied ce	ells, tl	nen t	he so	lutic	n is		CO5
	a) Feasible b) unfeasible c) u	ın bal	ance	d		d) no	one	~~~
10	The dummy source or destination	in a	trans	porta	tion	prot	olem is added	to CO5
	a) to make balanced one b) p	orevei	nt sol	ution	1 fro	m be	coming dege	nerate
	c) ensure that total cost does not exc	ceed a	limit			d) all	of the above	
A	SEC	IIO	N – Ľ	s (Re	men	nber	ing)	
Answei	Define Operation Research							$(5 \times 2 = 10 \text{ Marks})$
11	What is isopris model?							
12	What is a model?							
13	Villat IS a model?	lobor						
14	List out the phases of OP	louel						
15	Define Transportation Problem							
10	Define Maximization Transportation	Droh	lom	nd h		lvo i	+9	
1/	Define Waximization Transportation			(The second	domo	tond	lina)	05
Answer	SEC.		1 – C	(UII	uers	tanu	iing)	(3 V 6- 18 Mortes)
AllSWCI 19	Explain any SIX types models in	OP						$(3 \times 0 - 10 \text{ Warks})$
10	Discuss about general methods for	UK r colu	vina	OP r	node	10		
19	Discuss about general methods in OP	1 501	ving		noue	15		
20 21	Find the starting solution of the follo	wina	trane	norta	tion	arobl	em using NW	
41	i me the starting solution of the folic	,wing T)EST	INA'		N		CIX CU5
	SOURCE	A	B	C	D	Ē	AVAILABI	E
	P	4	1	2	6	9	100	
	Q	6	4	3	5	7	120	
	R	5	2	6	4	8	120	
	DEMAND	40	50	70	90	90		

SECTION – D (Applying)

Answer any ONE Question:(1X 12= 12 Marks)23Determine the main phases of ORCO124Apply the following methods on the Transportation Problem(i)NWCR (ii)LCMCO5(iii)VAMDESTINATION

	DES	I INA .	IION		
		Α	В	С	SUPPLY
	Ι	2	7	4	5
SOURCE	II	3	3	1	8
	III	5	4	7	7
	IV	1	6	2	14
	DEMAND	7	9	18	

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VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234 DEPARTMENT OF COMPUTER SCIENCE B.Sc. Computer **Course Code:** 10CT11 CIA: **Programme:** Ι Science Date: 01.09.2022 Part: III Semester: Ι Academic Year: 2 Hours **Duration**: 2022-23 Max. Marks: 50 **Study Component:** Core Course **Course Title: PROGRAMMING IN C SECTION – A (Remembering)** (10 X 1 = 10 Marks)Answer **ALL** the Ouestions: **1** Which function reading information from keyboard **CO1** a) printf () b) puts() c) scanf() d) put() 2 Find the Assignment operator from the following **CO1** a) == b) >= c) = d) <= The values of void data type is 3 **CO1** a) NULL b) 1 bytes c) 8 bytes d) 16 bytes Valid Symbolic constant declaration from the following ------4 **CO1** b) # define N 10 c) #define N 25; a) #define N=25 d) #define N 10 ----- main() function we can using in C 5 **CO1** a) Many b) 1 c) 2 d) none 6 Valid variable name declaration from the following ------**CO1** a) char b) price\$ c) First_tag d) First tag

The Modulo operator returns only ------ value

c) float

c) -1 10 int $a[6] = \{1, 2, 3, 4, 5, 6\}$; How many bytes occupied in a computer?

8 What is the real way to initialize value to anarray?

d) mantissa

a) 12 hutaa

b) int a{ }=[1,2,3,4,5 };

c)int a;

7

9

a) 0

a)Real b) integer

a) int $a[6] = \{1, 2, 3, 4, 5, 6\};$

d) int $a(6) = \{1, 2, 3, 4, 5, 6\};$ An Array index starts with

b) 1

	a) zbytes	bj4 bytes	c) 12 bytes	a) 6 bytes	
			SECTION – B	(Remembering)	
Answe	r any FIVE (Questions:		_	(5 X 2 = 10 Marks)
11	How to decla	are a variable giv	e syntax with exam	ple	CO1
12	Evaluate the	expression x=a-l	o/3+c*2-1		CO1
13	What is the u	use of enum func	tion?		CO1
14	List out any	4 features of C	1		CO1
15	Define key	words			CO1
16	Define Arra	ay			CO2
17	List out typ	es of array in C			CO2
		-	SECTION – C ((Understanding)	
Answe	r any THRE	E Questions:			(3 X 6= 18 Marks)

d) NULL

CO1

CO2

CO2

CO2

18 Write a short note on scanf() function **CO1 19** Write a C program to check which number is big using if else statement **CO1** 20 Discuss about primary data types in C **CO1** 21 Explain about Arrays in C **CO2** 22 Discuss about declare and assign values to an array in C with example **CO2 SECTION – D (Applying)** Answer any **ONE** Question: (1X 12= 12 Marks) 23 Explain about operator and its types in C **CO1** 24 Write a C program to sorting the numbers **CO2**

	DEPARTMENT OF COMPUTER SCIENCE								
~		Course Code:	10CT12	Programme:	B.Sc. Computer Science	CIA:	I		
		Date:	05.09.2022	Part:	III	Semester:	Ι		
		Duration:	2 Hours	Academic Year:	2022-23	Max. Marks:	50		
HANDHE	ARTHEAD	Study Compo	nent: Co	re Course					
		Course Title:	DIGITAL PR	RINCIPLES AND C	OMPUTER ORGA	NIZATION			
			SECT	ION – A (Remember	ring)				
Ans	wer A	LL the Questions:			-	(10 X 1 = 10 Ma)	rks)		
1	The o	ctal number 645 in	power of 8 is eq	ual to		(C O 1		
2	a) 450 Dopro	J_{10} b) $45I_{10}$	c) 421_{10}	d) 501_{10} DE in the power of 16					
4	a) 6 *	$16^2 + 13 * 16^1 + 14$	4×16^0	b) $6 * 16^2 + 12 * 10^2$	$16^1 + 13 * 16^0$	(°01		
	c) $6 *$	$16^2 + 11 * 16^1 + 14^2$	$4 * 16^{0}$	d) $6 * 16^2 + 14 * 12^{-10}$	$16^{1} + 15 * 16^{0}$	Ň	201		
3	Conv	ert in to decimal: 2	$14_8 = ?$				107		
	a) 14() ₁₀ b)	141_{10}	c) 142 ₁₀	d) 130 ₁₀	(201		
4	Any s	set of digits or alpha	abets are general	ly referred as		(°01		
_	a) Ch	aracters b) Sym	nbols c) E	Bits d) Bytes		· · · · ·	201		
5	A		cuit with only or	he output but can have	e multiple inputs.	(CO1		
6	a) Log	gic gale D) II	(11111010) = (2) = (2)	sinary circuit d)	Boolean circuit				
U	a) 1	h) A	w. $A + 1 = 2$ c) 0	d) A'		(201		
7	A (A	+B) = ?	0)0	u) II			~~4		
-	a) AB	b) 1	c) $(1 + AB)$) d) A		(201		
8	. The	re are cells	in a 4-variable K	L-map.		(າດາ		
	a) 12	b) 16	c) 18	d) None		,	.04		
9	In a n	nultiplexer, the sele	ction of a particu	alar input line is control	olled by	(C O2		
10	a) Da	ta controller b)) Selected lines	c) Logic gates	d) Both a & b				
10	1 ne w	e into many b)	Many into one	c) Distributor		(າດາ		
	d) On	e into many as well	l as Distributor	c) Distributor		,	.04		
	u) 011	te meo many us wen	SECT	ION – B (Remember	ring)				
Ans	wer an	y FIVE Questions:	:	× ×	8	(5 X 2 = 10 Ma)	rks)		
11	List tl	he types of number	systems?			(C O 1		
12	Give	1's complement and	d 2's complement	t of the binary number	r 1011001?	(CO1		
13	State	Distributive Law.				(CO1		
14 15	Give	any two examples f	for digital to anal	log converter?		(
15 15	List u	ut various applicati	on of multiplexe	ora:			201		
17	Defin	e multiplexer?	ion of multiplexe				CO2		
1,	Denn		SECT	ION – C (Understand	ding)				
Ans	wer an	y THREE Questio	ons:	× ×	8/	(3 X 6= 18 Ma	rks)		
18	Conv	ert the given decim	al numbers to Bi	nary numbers:		(۲ ∩ 1		
	a) (15	$(2)_{10}$ b) $(272)_{10}$)				.01		
19	Simpl	lity the following en	xpression using]	Boolean laws: $(X + Z)$	(X.Y + Y.Z') + X.Z +	+ Y	CO1		
20	Brief	a note on Gray cod	e and its charact	eristics?					
21 22	Discu	a short note on ANL as about 2 x 1 Mult	tiplexer with a bl	gaies: lock diagram?			204 202		
			SE(CTION – D (Annlvin	g)	,	J U 4		
Ans	wer an	y ONE Question:				(1X 12= 12 Ma	rks)		
23	Expla	in the types of num	ber systems and	their characteristics w	vith suitable examples	? (CO1		
24	Expla	in in detail any two	types of De-mu	ltiplexer circuit with r	neat diagram?	(C O2		

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[EGE, TIRUVEDAR MENT OF COMPU	AM WEST - 625	234	
		DEPARTI	MENT OF COMPU	R Science		T
TUTTT	Course Code:	10CT31	Programme:	Science	CIA:	I
	Date:	01.09.2022	Part:	III	Semester:	III
	Duration:	2 Hours	Academic Year:	2022-23	Max. Marks:	50
ANTE HEARING	Study Compo	nent: Co	re Course			
	Course Title:	COMPUTER	NETWORKS			
		SECT	'ION – A (Remember	ing)		
Answer	• ALL the Questions:	:		·····B)	(10 X 1 = 10 Marks	5)
1	Network of network	ks is known as			CO	1
	A. intranet B. i	nternet C. Lo	ocal Area NetworkD. V	VAN		
2	is used a	is a medium of co	ommunication under wa	ater.	CO	1
-	A. Wave B. I	Light C. So	ound D. Music			_
3	An example for dy	namic routing alg	orithm is		CO	1
4	A. Snortest path.	B. Flooding.	C. Dijkstra D. L	istance vector.	CO	1
4	A International Sta	ndard Organizati	on B Internatio	nal Student Organizat	ion	1
	C Integrated Servi	ces Organization	D Integrated standa	rd organization	.1011.	
5	Terminators are use	ed in to	pology.	itu organization.	CO	1
C	A. bus B. r	ring C. sta	ar D. irregular		00	-
6	Every domain can l	have a set of	records associated	with it.	CO	1
	A. DNS B. r	nail C. re	source D. websites			
7	GIF stands for				CO	1
	A. Group Interchan	ige Format	B. Graphical Interch	nange Format.		
	C. Group Informati	on Format	D. Graphical Inform	nation Format.		
8	GPS is mean for			a .	CO	2
	A. Global Pointing	System	B. Global Positionir	ig System		
0	C. Great Pointing S	oystem	D. Great Positioning	g System	CO	`
9		B HTTP	C WMI D V	 VTTP	CO	2
10	Devices on one net	work can commu	nicate with devices on	another network via	CO	2
10	A. file server	B. printer set	ver C. utility ser	verD. gateway		-
		SECT	TON – B (Remember	ing)		
Answer	any FIVE Question	s:		8/	(5 X 2 = 10 Marks	5)
11	What is computer n	network?			CO	1
12	Give any four adva	ntages of comput	er networks?		CO	1
13	What is meant by n	nodem?			CO	1
14	Expend : TCP, UD	P			CO	1
15	List out any four N	etwork hardware	's.		CO	1
16	Define Physical La	yer?			CO	2
17	What is Multiplexir	ig?		•	CO	2
A	any THDEE Onest	SECT	ION – C (Understand	ling)	$(2 \mathbf{V} \mathbf{C} + 10 \mathbf{M}_{outlet})$	~)
Allswei 18	Brief a note on user	iolis.	worke?		$(3 \land 0 = 10 \text{ Marks})$	5) 1
10 10	Explain the TCP / I	P reference mode				т 1
20	Brief a note on net	work software	21		00 CO	⊥ 1
20	Brief a note on fibe	er optics?			C0	2
22	Elaborate coaxial c	able in network.			CO	2
		SE	CTION – D (Applying	g)		
Answer	any ONE Question	:		-	(1X 12= 12 Marks	5)
23	Enumerate on the c	haracteristics of	OSI Reference model?		CO	1
24	Write a summary P	ublic Switched te	elephone network?		CO	2

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				~ 1 1		B Sc. Computer		
LUTTUR		Course Code:	10CT32		Programme:	Science	CIA:	Ι
		Date:	05.09.202	22	Part:	III	Semester:	III
		Duration:	2 Hours		Academic Year:	2022-23	Max. Marks:	50
	ARU	Study Compo	nent:	Co	re Course			
		Course Title:	COMPUT	ER	GRAPHICS			
			SE	CT	ION – A (Remember	ring)		
Ans	wer A	LL the Questions:					(10 X 1 = 10 Ma)	rks)
1		environment is used	d to determine	e ho	ow the operators of a v	vehicle are affected b	y certain (C O1
	motio	ns.						
	a) Wi	reframe display l	b) Virtual Rea	ality	c) operating system	m d) Architectural	CAD	
2	d	evice is used to pro	duce painting	g thi	rough a specially desi	gned software to proc	duce automatic (C O 1
2	comp	uter art. a) Inkjet p	printer t	5) P	en plotter c) Stylus	d) camera		100
3	F_{11111}	h) 26		ame	d) 20	minated movement se	equence.	201
4	a) 24 Pictur	U) 30 Pefinition is stor	c) 20 red in a memo	arv	u) 50 called		(CO1
-	a) nix	el b) nixmar	c) refres	лу hh	uffer d) bitman		,	.01
5	u) pix	is a process of trai	nsforming an	obi	ect or a person into a	nother in image proce	essing (CO1
U	techn	ology. a) Morphir	ng b) Moti	on	Capture c) Animati	ion d) Surface rende	ering	.01
6	Calcu	lators uses tv	ype of display	y fo	r output	.,	6	C O 1
	a) Pla	sma panel b)	LED	c) I	LCD d) CRT			
7		on random scan sy	stem depends	s on	the number of lines t	o be displayed	(C O 1
	a) bea	in intensity b)	refresh rate		c) stroke writing	d) scan line		
8	The C	Cartesian slope -inte	crcept equatio	n fo	or a straight line is		(C O2
_	a) y =	m.x + b b)	$\mathbf{y} = \mathbf{b}.\mathbf{x} + \mathbf{m}$		c) $y = x.x + m$	d) $y = b + m.m$		
9	Expai	ision of DDA algor	rithm is				(C O 2
	a) Dig	gital Difference Ana	alyzer b) L	Dire	Ct Differential Analyz	zer		
10	C) Dig	gital Differential Ar	halyzer d) L		Differential Analyze	r 		202
10	Chang a) Ou	trut primitives b)	on or oriental	1011 2) (2	of all object within a	ion d) segment	(.02
	a) Ou	(put primitives 0)	SE() С СТ	ION – R (Remember	ring)		
Ans	wer an	v FIVE Questions.				ing)	(5 X 2 = 10 Ma)	rks)
11	List a	ny two types of visi	ualization tec	hni	aues?			C O 1
12	Give	any two application	s of Compute	er A	ided Designing?		(C O 1
13	List tl	ne two methods to p	produce color	dis	play in CRT?		(C O 1
14	Give	an example for emi	ssive and non	n-en	nissive video displays	?	(C O 1
15	Give	any two advantages	s of DDA Lin	e al	gorithm?		(C O1
15	Give	the uses of Area Fil	l attributes?				(C O2
17	List tl	ne types of 2D trans	sformation me	etho	ods?		(C O2
			SEC	CTI	ION – C (Understand	ding)		
Ans	wer an	y THREE Questio	ns:	201	г '41 4 1'	0	(3 X 6 = 18 Ma)	rks)
18 10	Sumn	harize the working	of a Refresh (CK	With a neat diagram	<i>:</i>	(
19 20	Brief	any analyze the wo	and non-emis	лС	e displays?			201
20 21	Discu	ss on the working of	of Line Drawi	ing	algorithms?			201 202
21 22	Brief	a note on any three	input devices	g S 118	ed in modern graphic	8		CO2
		a note on any unce	S	SEC	CTION – D (Annlvin	g)	,	
Ans	wer an	y ONE Question:	L.				(1X 12= 12 Ma	rks)
23	Expla	in in detail the appl	lications of co	omp	outer graphics in vario	ous industries?	(CO1
24	Expla	in in detail the wor	king of DDA	lin	e drawing algorithm?		(C O2

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234 DEPARTMENT OF COMPUTER SCIENCE B.Sc. Computer **Course Code:** 10CT51 Programme: CIA: Ι Science V Date: 02.09.2022 Part: III Semester: **Academic Year:** 2022-23 **Duration**: Max. Marks: 50 2 Hours **Study Component:** Core **Course Title: PYTHON PROGRAMMING**

SECTION – A (Remembering)

Answer	• ALL the Questions:		(10 X 1 = 10 N)	larks)
1	Python pandas was developed by?			CO1
	A. Guido van Rossum B. Travis Oli	iphant C. Wes McK	inney D. Brendan Eich	
2	What is the method inside the class in pyth	on language?		CO1
	A. Object B. Function	C. Attribute	D. Argument	
3	Which of the following operators is the con-	rrect option for power(a	ıb)?	CO1
	A. a ^ b B. a**b	C. a ^ ^ b	D. a ^ * b	
4	How many keywords present in the python	n programming languag	e?	CO1
	A. 32 B. 61	C. 33	D. 27	
5	Which of the following statements is valid	for "if statement"?		CO1
	A. if $f \ge 12$: B. if $(f \ge 122)$	C. if (f => 1222)	D. if $f \ge 12222$	
6	In which language is Python written?			CO1
_	A. English B. PHP	C. C	D. All of the above	~ ~ ~
7	Which character is used in Python to make	a single line comment	?	CO1
0	A. / B. // C. #	D. !		a a
8	What is the method inside the class in pyth	ion language?		CO 2
0	A. Object B. Function	C. Attribute	D. Argument	GOA
9	Which of the following words cannot be a	variable in python lang	uage?	CO2
10	A. val B. val	C. try	Dtry_	001
10	A Division D Subtraction	C Derver	D Demonsthese	02
	A. Division B. Subtraction	C. Power P (Domomboring)	D. Parenuneses	
Anewor	SECTION - J	b (Remembering)	(5 V 2 – 10 V	(onka)
11	How to run python program		$(5 \mathbf{A} 2 = 10 \mathbf{W}$	CO1
11	Define data types			
12	Difference between compiler and interpret	or		
13	List out any four python software			CO1
15	Define if statement with sample program			CO1
16	Any two advantages of function			CO2
17	Comment in stack			CO2
	SECTION – O	C (Understanding)		001
Answer	any THREE Ouestions:	((3 X 6= 18 M	larks)
18	What is debugging with types		× ×	COI
19	Write a FOR loop with example.			CO1
20	Explain list in python with example			CO1
21	Explain about math function in python wit	h example		CO2
22	Write a function call in python with examp	ole		CO2
	SECTION	– D (Applying)		
Answer	any ONE Question:		(1X 12 = 12 N)	(arks)
23	Construct the formal and natural language	in Python		CO1
24	Explain about the function argument in py	thon		CO2

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		DEPARI		R So Computer					
	Course Code:	10CT52	Programme:	Science	CIA:	Ι			
	Date:	03.09.2022	Part:	III	Semester:	V			
	Duration:	2 Hours	rs Academic Year: 2022-23 Max.						
HEARTHEAD	Study Compo	nent:	Core	L	I				
	Course Title:	JAVA PROC	RAMMING						
		SECT	ION – A (Remember	cing)					
Answer	ALL the Questions	s:	× ×	<i>e</i> ⁄ (10 X 1 = 10 Marks	s)			
1	Object Oriented Pro	gramming langua	ge was developed by	·	CO)1			
	a) Microsoft	b) Sun Microsy	ystems c) Oracle	d) IBM					
2	What is JAVAC	?			CO)1			
	a) Compiler	b) Assembler	c) Debugge	r d) Editor					
3	Data types in java u	nder various categ	gories are		CO	01			
	a) Primitive		b) Non-Primitive						
	c) Primitive and I	Non-Primitive	d) All of the above	e	co	4			
4	? is denoted as	h) Agaianmant	a) Deletional d) logia		CO	1			
5	a) Conditional	b) Assignment	c) Relational (d) logic		CO	1			
3	a) IVM	h)Byte code	c)IDK	d)IRE	CO	1			
6	is the med	hanism that hinds	s together the code and t	he data	CO	1			
U	a) Polymorphism	b) Encapsulation	on, c) Inheritance d) A	bstraction	co	1			
7	In the Bitwise OR of	perator is defined	as		CO)1			
	a) &	b)	c) ~	d) ^					
8	Evaluate the followi	ng Java expressio	n, if x=3, y=5, and z=10): ++ z + y - y + z + x ++	- CO	2			
	a) 24 b)	23 c)20	d) 25						
9	represe	nts an entity in the	e real world that can be	distinctly identified.	CO	2			
	a) Class b) Ob	oject c) Method	d) data						
10	An object is an insta	nce of a	·		CO	2			
	a) Class b)	Object c) Meth	nod d) data	•					
		SECT	ION – B (Remember	ring)					
Answer	any FIVE Question	ns:			(5 X 2 = 10 Marks)	s)			
11	Why is Java a plat	form independe	nt language?		CO)1			
12	Why Java is not a	pure object orie	nted language?		CO)1			
13	How is Java differ	rent from C? (Ai	ny Two)		CO)1			
14	How to take input	from users in Ja	va		CO)1			
15	Define encapsulati	on			CO)1			
16	What is a method i	in Java			CO	2			
17	What is a class in J	Java			CO	2			
		SECT	ION – C (Understand	ding)					
Answer	any THREE Ques	tions:			(3 X 6= 18 Marks	s)			
18	Write about the JV	'M with neat dia	gram		CO)1			
19	How to Install and	Configuration of	of Java		CO	1			
20	Write a simple java	a program with e	explain		CO	1			
21	Write about class,	object and methe	od with example		CO	2			

SECTION – D (Applying)			
Answer any ONE Question:	(1X 12= 12 Marks)		
23 Briefly explain the Oops concepts in Java	CO1		
24 Write a Java Program to create a student mark list using class and object	CO2		

DEPARTMENT OF COMPUTER SCIENCE								
Tourn		Course Code:	10CT53		Programme:	B.Sc. Computer Science	CIA:	I
		Date:	05.09.20	22	Part:	III	Semester:	V
		Duration:	2 Hours		Academic Year:	2022-23	Max. Marks:	50
HANDHE	ARTHEAD	Study Compor	nent:	Со	re			
		Course Title:	SOFTWA	RE	ENGINEERING			.I
			<u> </u>	БСЛ	ION A (Domombor	i na)		
Ansv	ver AL	L the Ouestions:	51	LCI	ION – A (Keineinder)	ing)	(10 X 1 = 10 Ma)	arks)
1	A soft	ware can be defined	as				()
	a) set	of computer program	ns, procedure	es an	d its associated docum	ents.		CO1
2	b) a se	et of compiler instruc	ctions	c) A	mathematical formula	d) None of above		
2	a) Sof	tware does not wear	out	b) S	oftware is flexible			CO1
	c) Sof	tware is not manufa	ctured	d) S	oftware is always corre	ect		
3	Which	n of these Process m	odels are use	d to	develop client/server a	pplications		CO1
1	a) Spi	ral Model b) Con	does CMMI	el stan	c) Waterfall model	d) Incremental mo	del 3	CO1
4 5	What	does the study of an	existing syst	tem 1	refer to?	0)5 C)4 U)	5	COI
•	a) Det	tails of DFD b) Fea	sibility Study	y c)	System Analysis d) S	System Planning		CO1
6	Whicl	n of the following ac	tivities of the	e ger	neric process framewor	k delivers a feedback re	eport?	004
	a) Dej	ployment b) Plann	ing c) Mod	eling	g d) Construction			COI
7	Abbre	eviate CMMI						
	a) Caj	pability Model Matu	rity Integration	on	b) Capability Maturity	Model Integration		CO1
_	b) Caj	pability Model Matu	rity Instructi	ons	d) Capability Maturity	Model Instructions		
8	Which	n of these is not defined	ned in the So	ftwa	re Requirement Specif	ication?		cor
	a) Fui	als of Implementation	s m	d) /	Algorithms	nents		
9	Which	n of these is not a pa	rt of Require	men	ts Engineering?			
	a) Red	quirements Elicitatio	n b) Requ	iiren	nent analysis			CO2
10	c) Red	quirements Design	d) Requ	iiren	nents documentation	insting for its anabiquit		
10	incon	sistencies lack of cla	arity or errors	its m s	the requirement specifi	ication for its amolguit	у,	CO2
	a) ana	lysis b) elaborat	tion c) valid	atio	d) Inception	n		001
			S	ECI	TION – B (Remember	ing)		
Ansv	ver any	FIVE Questions:	o coftwara pr	odu	2 +9		(5 X 2 = 10 Ma)	arks)
11	Defin	e software engineeri	ng according	to I	EEE?			CO1
13	List th	ne types of prototypi	ng methods?	,				C O 1
14	Give	the pitfalls of cascad	ing model?					CO1
15	List th	e various capability	levels in CN	1MI'	?			
10	Defin	e COTS?						CO_2
SECTION – C (Understanding)								
Ansv	ver any	THREE Questions	:				(3 X 6= 18 Ma	arks)
18 10	Outlin Brief	the principles of s	oftware enging	neer	ing practices?			
19 20	Discu	ss on RAD process 1	model?	Juel	•			CO1
21	Sumn	narize on the work p	roducts produ	uced	on completing elicitati	on of requirements?		C O2
22	Classi	fy the types of requi	rements?	C-		`		C O2
Anov	Answer any ONE Question: (1V 12 12 Merley)							
23	Identi	fy the phases of wat	erfall model.	thei	r characteristics and pit	falls?	$(\mathbf{IA} \mathbf{I2} - \mathbf{I2} \mathbf{M})$	11 KS))1
24	Interp	ret the steps involve	d in requiren	nents	s engineering?		CO	2

DEPARTMENT OF COMPUTER SCIENCE						
	Course Code:	10EP5A	Programme:	B.Sc. Computer Science	CIA:	I
	Date:	06.09.2022	Part:	III	Semester:	v
	Duration:	2 Hours	Academic Year:	2022-23	Max. Marks:	50
HANDHEARTHEAD	Study Compor	nent:	Elective			
	Course Title:	CLOUD CON	IPUTING			
Answer	ALL the Questions	SECT	ION – A (Remember	ring)	10 X 1 = 10 Mark	s)
1	A_service provi	der gets the sam	e benefits from a com	postable system that a	a user does. CO)1
2 l	a) CaaS b . How many types	b) AaaS c of Cloud are the) PaaS d) All re in Deployment Mod	l of the mentioned dels?	CO)1
	a)2 b) 3 c) 4	4 d) 5			
3	a) Infrastructure Se	Ware (VMware)	is an example of	Software Service d)	C(None of these)1
4	Amazon Machine I of nodes.	Images are virtu	al appliances that have	e been packaged to ru	in on the grid C)1
5	a) Ben b) Xen c) H Which of the follow	Ken d) Zen wing is the higher Page d) Sage	est degree of integration	on in cloud computing	g? CC)1
6	What is the name o	f the organization	helping to foster securi	ty standards for cloud	CO)1
	computing? a) Cloud Security S c) Cloud Security V	tandards Working Vatchdog	g Group b). Cloud Sec d). Secu	urity Alliance rity in the Cloud Allian	ce	
7 l	. Which of the follo	owing is the wor	king models for cloud	computing?	CO)1
<u>2</u> 8	. a) Deployment M The term r	odel b). Configu efers to a Netwo	rring Model c). Collab rk or Internet.	oorative Model d) All	of the above CC)2
9	a) Cloud Comput Cloud Services hav	ing b) Cloud c) ve a relati	onship with their cust	omers.	CO)2
	a). One-to-one b)	One-to-many c).	Many-to-many d). No	one of the above		
10	Which of the follow a) SaaS b) IaaS c)	wing is the best- PaaS d) All of	known service model ⁴ the mentioned	?	CO)2
Answer	any FIVE Ouestion	ns:	ION – D (Remember	(mg)	(5 X 2 = 10 Mark	(S)
11	What is Cloud Cor	nputing?			CO)1
12	Give any four adva	intages of Cloud	Computing?		CO)1
13	Define Hybrid clou	1d?			CO)1
14	Expand – Saas, Paa	s and laas	ting)])1
15	Write any four esse	ential features of	Cloud architecture)2
10	Draw a neat diagra	m of Cloud Con SECT	nputing layers	ding)	C)2
Answer	any THREE Ques	tions:		0,	(3 X 6= 18 Mark	s)
18	Explain about the l	Building block o	f Cloud Computing		CO)1
19	Write about evolut	ion and history of	of Cloud Computing		CC)1
20	Brief a note on Cha	allenges and Usa	age of Cloud		CO)1
21	write about Cloud	Provider I monitor)2)2
		SE(CTION – D (Annlvin	g)		14
Answer	any ONE Question	n:	~ (<i>5</i> /	(1X 12= 12 Mark	s)
23	List out the types of	of cloud computi	ng. Explain it		CO)1
24	Explain about clou	d computing arc	hitecture. &&&&&&		CO)2

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234							
DEPARTMENT OF COMPUTER SCIENCE							
	Course Code:	10SB51	Programme:	B.Sc., Computer Science	CIA:	Ι	
	Date:	30.08.2022	Part:	IV	Semester:	V	
	Duration:	1 Hour	Academic Year	: 2022-23	Max. Marks:	50	
HANDHEARTHE	Study Compor	nent:	Skill Based				
	Course Title:	COMPETITI	VE EXAMINATIO	ON FOR IT	±		
			GECELON A				
Answ	ver ALL the Questions		SECTION – A	(50 X 1 = 50 Marks	s)	
1	Arrange the words giv	en below in a m	eaningful sequence.	(•	CO	1	
	I. Income	II. Status I	II. Education	IV. Well-being	V. Job		
2	a) $3,1,5,2,$	4 ł	(3) 1,3,2,5,4	C) $1,2,5,3,4$ D) 3,5,1,2,4	1	
2 3	Arrange the words giv	en below in a m	eaningful sequence	u) cobol	CO	1	
	I. Leaves II. Bran	nch III. Flo	wer IV. Tree V.	Fruit			
4	a) 4,3,1,2,5 b) 4,2,5	5,1,3 c) $4,3,2,1$	1,5 d) 4,2,1,3,5		CO	1	
4	a) SMTP b) FTP c)DTP d) TT	p		CO	1	
5	Doctor:: Patient::Polit	ician::?			CO	1	
	a) Voter b) Chair	c) Money	d) Public		CO		
0	Find the missing LET $\mathbf{B} \mathbf{C} \mathbf{F} \mathbf{G} \mathbf{K}$	\mathbf{M} I ER for the give	en box?		co	1	
	Y X V T P	?					
	A) L B) S C)N	D)O					
7	How many circles are	there in the adjo	ining figure?		CO	1	
	$\mathcal{R}\mathcal{R}$						
	AR						
		C > 20 D)14					
0	A)18 B) 24	C = 20 D = 14					
8	The hexadecimal num	ber C3 convert t	o binary number is 100 D) 110000	11	CO	1	
9	Find odd man out	C) 111	100 D) 110000	11	CO	1	
	A) April B) June C)	September	D) May				
10	₀○● ▲△	.△ □ ?	_		CO	1	
	(1) (2)	(3) (4)					
		C (2) D	Λ				
11	HEART= $(0.8531)^2$	C) S D) AST= #8541: FA	+ ARTHEST=?		CO	1	
	A) #541@831	B) #831@541	C) @541#831	D) #531@841	1		
12	5% of 5% of Rs. 100 i	S D) D C TC			CO	1	
12	A) Ks. 25 Where is $R \Delta M$ located	В) Rs. 0.50 12	C) Rs. 10	D) Rs. 0.25	CO	1	
13	A) Expansion Boa	rd B) Exter	mal Drive C) Mot	therboards D) No	one	T	
14	77% of 64=?	,		,	CO	1	
	A) 47.28	B) 49.28 C	C) 48.29 D) 49.2	27			

15	If a computer has more than one processor then it is known as ?						
	A)Uniprocessor B) Multiprogramming C)Multithreaded D) Multiprocessor						
16	If today is friday, what day of the will it be 100 days from today ? Co						
17	($(489+375)^2 = (489-375)^2 = ?$	CO1					
17	(489*375) =:	cor					
	A) 4 B) 5 C) 40 D) 52						
18	How old will I be in 2032 if I was born in 1997?	CO1					
	A) 35 B) 25 C) 17 D) 11						
19	$\frac{(963+476)^2 + (963-476)^2}{(963-476)^2} = ?$	CO1					
	(963*476)						
•	4 B) 5 C) 6 D) 2	001					
20	In a certain code Languages 461 means 'where are you', 169 means 'you are good' and 8652	COI					
	means 'flowers are not had'. How will 'where not are good flowers' he written in that code						
	Language?						
	A) 68954 B) 46598 C) 45698 D) Data inadequate						
21	7:12 is equivalent to	CO1					
	A) 28:40 B) 42:71 C) 42:72 D) 72:42						
22	If C=3 and POLISH=79, then POINTER=?	CO1					
	A) 98 B) 97 C) 96 D) 95						
23	A ratio equivalent to 3:7 is	CO1					
	A) 9:21 B) 6:10 C) 3:9 D) 18:49						
24	If 'blue' means 'green', 'green' means 'white', 'white' means 'yellow', 'yellow' means	CO1					
	black', black' means 'red' and 'red' means 'brown', that what is color of 'Blood'?						
25	A) TEHOW B) OPEN C) BIOWIE D) Black In a class there are 20 boys & 15 girls. The ratio of boys to girls are	CO1					
43	A)4:3 B) 4:5 C) 3:9 D) 18:49	COI					
26	The L.C.M of number is 2,4,32,8 find the value	CO1					
	A) 32 B) 65 C) 60 D) 63						
27	Pointing towards a day, Veena said, "He is the son of the only son of my Grandfather." How	CO1					
	is that boy related to Veena?						
	A)Uncle B) Brother C) Cousin D) None						
28	The L.C.M of two number is 12,30=?	CO1					
•	A) 58 B) 60 C) 62 D) 64	001					
29	The L.C.M of two number is $2,13=?$	COI					
30	Ram is the brother of Arun Sana is the sister of Tina Arun is the son of Sana How is Ram	CO1					
20	related to Sana?						
	A) Brother B) Uncle C) Son D) Father						
31	Can you Solve $7 + 7 \div 7 + 7 \times 7 + 7 - 7 \div 7 + 7 \times 7 = ?$	CO1					
	A) 112 B) 56 C) 0 D) 98						
32	The L.C.M of two number is 30,42=?	CO1					
~~	A) 630 B) 635 C) 220 D) 210	001					
33	A man walks 5km east, turns left & walks another 5 km. Again he takes a left turn & walks	CO1					
	JKIII. WHICH DIFECTION ON IS HE FACING NOW? A)WEST B) EAST C)SOUTH D) NOPTH						
34	$2\sqrt{1225}$ =? A)35 B) 30 C) 45 D) 25	CO1					
35	Home D is 10 km, towards the North of House A. Home C is 15km towards the west of	C01					
	Home D. Home B is 15km towards the west of Home A. How far and in which direction is						
	Home B from Home C?						
	A)East B) West C) North D) South						

36	2√9025=?	CO1
	A) 85 B) 75 C) 95 D) 90	
37	The Hexadecimal number system consists of the	CO1
	A) 0-15 B) 0-9, A-E C) 0-7, A-F D) 0-9, A-F	
38	3\125=?	CO1
	A) 10 B) 5 C) 25 D) 15	
39	Data in a computer can be represented as	CO1
	A) Hexa-DecimalB) DecimalC) BinaryD) All of these	
40	Arrange the words given below in a meaningful sequence	CO1
	I.Police II.Punishment III.Crime IV.Judge V.Judgement	
	a)3,1,2,4,5 B) 1,2,3,4,5 C) 5,4,3,2,1 D) 3,1,4,5,2	
41	Find the odd letter from the given alternatives.	CO1
	A) Driving B) Diving C) Swimming D) None of the above	
42	If T=40; DOG=52; BALL=?	CO1
	A)29 B) 32 C) 54 D) 35	
43	We can draw a pie-graph in a	CO1
	A) Excel B) Power point C) Access D) Word	601
44	A teacher can develop a question bank with the help of	COI
	A)Eval P) Power point C) Access D) Word	
15	M S word is an example of	CO1
43	A) System S/W B) Application S/W C) OS D) Translating program	COI
16	A byte is equal to	CO1
40	A byte is equal to (A) 22 Bite (C) 8 Bite (D) 4 Bite	COI
47	The VIDUS is a	CO1
4/	A) S/W Program (P) H/W (C) Device (D) None of the shows	COI
18	Who is the father of Computers?	CO1
-0	a) James Gosling b) Charles Babbage c) Dennis Ritchie d) Biarne Stroustrun	COI
49	What is the full form of CPU?	CO1
• /	a) Computer Processing Unit b) Computer Principle Unit c) Central Processing Unit	
	d) Control Processing Unit	
50	Which of the following computer language is written in binary codes only?	CO1
	a) pascal b) machine language c) C d) C#	

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