VIVEKAN		E, TIRUVEDAK OF COMPUTEI	AM WEST - 625 SCIENCE	234
Course Code: 10SB31	Programme:		CIA: II	Test
Date: 30.08.2019	Major:	COMP.SCIEN		ster: III
Time: 1Hr	Year:	II		num: 25 Marks
Course Title:			ING SYSTEM	
	S	SECTION-A		
Answer all questions				(5X1=5)
1. Main memory is divided in	nto separate			CO2
A) Memory regions	B) Memory partit	ions C) Mer	nory devices	D)Both A&B
2. A can be defined as	a logical grouping o	of information.		CO2
A) Segment	B) Paged segmer	nt C) Den	nand Paged segment	D) Both B&C
3. The process schduller is al	so called the			CO3
A) Schduller	B)Dispatcher	C)Proc	essor	D)None
4. Job scheduling is also call	ed			CO3
A) Coupled Processing		B) Mul	tiprogramming	
C) Coupled Multiprocessi	ng	D) Mul	tiprocessing	
5. Page interrupt condition is	also called			CO3
A) Page interrupt	B)Page defaults	C)Exce	ption	D)None
	,	SECTION-B		
Answer any TWO question				(2X2=04)
6. Define Multi Programmin				(2112-01) CO2
7. Define Segment memory i	e			CO2
8. What a job scheduling?	Internetion			CO3
9. Write notes an multiproce	ssor system			CO3
	soor system.			
	S	SECTION-C		
Answer any ONE question	(1X6=6)			
10.Write the short notes an s	ingle contiguous all	ocation.		CO2
11. Explain about the state n	nodel.			CO3
	S	SECTION-D		
Answer any ONE question				(1X10=10)
12. Discuss about the paged	memory manageme	nt.		CO2
13. Explain about the process	s scheduling.			CO3
	-	6 306 306 306 306 306		

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

	NDA COLLEGE				25234	
Course Code: 10SB51	Programme:	B.Sc.,			II Test	
Date: 30.08.2019	Major:	COMP.SCIENCE			Semester: V	
Time: 1Hr	Year:		III	······	imum: 50	Marks
Course Title:	I Cal.	COM	PETITIVE			Marks
! !		00111				
Answer the all questions 1) Arrange the words given below	v in a meaningful	1	4.			
sequence.	v III a incannigiui	1		\bigcirc	A 1	
I.Income II.Status	s III.Educatio	n	C	$O \bullet \bullet Z$		
IV.Well being V.Job	5 III.Laucatio	Л			^	_
6	B)1,3,2,5,4				\bigtriangleup	
C)1,2,5,3,4 D)3,5,1			(1)	(2)	(3)	(4)
2) Arrange the words given below						
sequence.	, in a mouningrai		/	B) 2	C) 3	D) 4
I.Leaves II.Branc	h III.Flower		· •	iter has more	than one pr	ocessor then it
IV.Tree V.Fruit			s known as ?			
A)4,3,1,2,5 B)4,2,5,1,3 C)4,3	215 D)42134)Uniprocessor			
3) Forecast::Future::Regret::?	,2,1,5 D) 1,2,1,5,	C)Multithreade		ultiprocessor	
· · · · ·	C)Sins D)P	ast 1	6) <u>(489+375)</u>		$\frac{2}{2} = ?$	
4) Docter::Patient::Politician::?			· · ·	9*375)		
	C)Money D)P	ublic A		B) 5	2 C) 40	D) 52
5) How many circles are there in	•		7) <u>(963+476)</u>		$)^{2} = ?$	
	the adjoining figur		`	9*375)		
			·	B) 5	C) 6	D) 2
() A C		1	8) 7:12 is equ	ivalent to		
CARD		A	A) 28:40	B) 42:71	C) 42:72	D) 72:42
XXX		1	9) A ratio equ	ivalent to 3:	7 is	
<u>G</u>		A	A) 9:21	B) 6:10	C)3:9	D)18:49
A)18 B)24 C)20	D)14		0) In a class t		oys & 15 gir	ls. The ratio
6What protocols used between E-		_ 0	f boys to girls	are		
	B)SMTP		A)3:4			D)18:49
C)SNMP D)P0P3		2	1)The L.C.M		2,4,32,8 fin	d the value
7) Which word does not belongs			/	B)65	C)60	D) 63
	B) Tulip C)D		(2) The L.C.M			
D) Rose			,	B)25	C)26	D)28
8) The hexadecimal number C3 c	onvert to binary		(3) The L.C.M			?
number is			·	B) 60	C) 62	D)64
A) 1111 B) 110011 C) 1111	00 D)1100001	1 2	(4) The L.C.M	of two num	ber is 30,42=	
9) Find odd man out			· .	B) 635	C) 220	D)210
· · · · · ·	CAL D) COBOL	- 2	(5) 2√1225=?			
10) Find odd man out		A	A)35	B)30	C)45	D)25
A)April B)June C)Septem	· •		.6) 2√9025=?	,	- / -	, -
11) HEART= @8531 ; FEAST=	,			D)75	C)05	D)00
A) #541@831 B) #831			A)85 (7) 3√125=?	B)75	C)95	D)90
C) @541#831 D)#531	@841		,	B)5	C)25	D)15
12)Where is RAM located?			·	,	,	a meaningful
· 1	B)External Drive		, 0	ie worus giv		a meaningiul
,	D)None	-	equence .Police	II.Punishmer	at III	.Crime
13) Find the missing LETTER		! 1.				.Chine
	<u>X M</u>	A	IV.Judg		dgement	
		0	A) 3,1,2,4,5 C) 5 4 3 2 1	· · ·	2,3,4,5 1,4,5,2	
A)L B)S	C)N D)O	, (2)5,4,3,2,1	D)3,	ı, + ,J,∠	

29) Find the odd letter from the given alternatives. A)Driving B)Diving C) Swimming D) None of the above 30) If T=40; DOG=52; BALL=? A) 29 B)32 C)30 D)35 31)We can draw a pie-graph in a_ B)Power point C)Access A)Excel D)Word 32) A teacher can develop a question bank with the help of B)Power point C)Access A)Excel D) Word 33)M-S word is an example of A) System S/W B) Application S/W C)OS D)Translating program 34) A byte is equal to A) 32 Bits B)16 Bits C)8 Bits D)4 Bits 35)The VIRUS is a B)H/W A)S/W Program D) None of the above C)Device 36)Data in a computer can be represented as _____ B)Decimal A) Hexa Decimal D)All of these C)Binary 37)The Hexadecimal number system cinsists of the A)0-15 B)0-9,A-E C)0-7,A-F D)0-9.A-F 38)A man walks 5km East, turns left & walks another 5 km. Again he takes a left turn & walks 5km. Which direction on is he facing now? C)South A)West **B**)East D)North 39)Home D is 10 km, towards the North of House A. Home C is 15km towards the west of Home D. Home B is 15km towards the west of Home A. How far and in which direction is Home B from Home C? B)West A)East C)North D)South 40)Can you Solve $7 + 7 \div 7 + 7 \times 7 + 7$ -**7** ÷ **7** + **7 x 7** =? B) 56 A)112 C)0 D) 98 41)Ram is the brother of Arun. Sana is the sister of Tina. Arun is the son of Sana. How is Ram related to Sana? A)Brother B)Uncle C)Son D)Father 42)Pointing towards a day, Veena said, "He is the son of the only son of my Grandfather." How is that boy related to Veena? A)Uncle B)Brother D) None C)Cousin 43)If 'blue' means 'green', 'green' means 'white', 'white' means 'yellow', 'yellow' means 'black', 'black' means 'red' and 'red' means 'brown', that what is colour of 'milk'? A)Yellow B)Green

C)Brown D)Black

44) If 'blue' means 'green', 'green' means 'white', 'white' means 'yellow', 'yellow' means 'black', 'black' means 'red' and 'red' means 'brown', that what is colour of 'Blood'? A)Yellow B) Green C)Brown D)Black 45)If C=3 and POLISH=79, then POINTER=? A)98 B)97 C)96 D)95 46) In a certain code Languages 461 means 'where are you', 169 means 'you are good' and 8652 means 'flowers are not bad'. How will 'where not are good flowers' be written in that code Language. A)68954 B)46598 C)45698 D)Data inadequate 47) 77% of 64=? A)47.28 B) 49.28 C) 48.29 D)49.27 48)28% of 450+45%280 A)256 B)252 C)305 D)352 49)The ratio 5:4 Expressed as a _____ percentage equals. A)125% B)126% D)176% C)175% 50) 5% of 5% of Rs. 100 is A) Rs. 25 B) Rs. 0.50 C) Rs. 10 D) Rs. 0.25

Course Code: 10AT11	Programme:	B.Sc.,	CIA: II Test					
Date: 07.09.2019	Major:	COMP.SCIENCE	Semester: I					
Time: 2Hrs	Year:	I Maximum: 50 Mar						
Course Title: DISCRETE MATHEMATICS								
		SECTION-A						
Answer all questions	,		(10X)	1=10)				
	is neither a tautology	v nor a contradiction is called a		CO3				
a) Contingency	b) Equivalence	c) Condition	d) Inference.					
2. A compound proposition that	t is always	is called a tautology.		CO3				
a) True	b) False	c) Either true or false	d) neither true					
3. A compound proposition that				CO3				
,	b) False	c) Either true or false	d) neither true					
4. If P then Q is called				CO3				
A. Conjunction		C. Conditional	D. bi conditio					
5. A sum of the variables and the			DNE	CO3				
A. elementary sum			DNF	CO2				
6. A product of the variables and			D. DNF	CO3				
A. elementary product 7 Min_terms of two statements		L. CNF ucing the connective	D. DNF	CO3				
	B. Disjunction	C. Conditional	D. negation	COS				
8. If A and B are square matrice			D. Ilegation	CO2				
(A) Unit matrix	(B) Null matrix	(C) Multiplicative in	verse matrix (D) –					
9. Which one of the following st		(c) Multiplicative in		CO2				
(A) A scalar matrix is a squar		(B) A diagonal matrix	x is a square matrix	001				
(c) A scalar matrix is a diago		(D) A diagonal matrix						
10.Matrix A=[aij]mxn is a squar		(_)8		CO2				
•	(B) m>n	(C) m=1	(D) m=n					
、 <i>/</i>		SECTION-B						
Answer any FIVE questions			(5X2=	=10)				
11) Define Proposition			CO3					
12) Write the types of Matrix			CO2					
13) Define Tautology			CO3					
14) Write the truth table i) AN	D ii) Biconditional		C O 3					
15 Define Permutation			C01					
16) Draw a logic network of a.			CO3					
17) Let a= Raja is good boy b=	U	c c	C01					
		SECTION-C	/	10)				
Answer any THREE questions			(3X6=	=18)				
18) Verify if the proposition (P 10) Prove that $(P, Q) \rightarrow [P]$		ogy or not.	CO3					
19) Prove that $\sim (P_{\wedge}Q) \rightarrow [\sim PV_{\wedge}Q)$	$(\sim PVQ) \hookrightarrow \sim PVQ$	0	CO3					
20) If $A = \begin{bmatrix} 2 & -3 & 1 \\ 3 & 1 & 3 \\ -5 & 2 & -4 \end{bmatrix}$ Show	r that A(A-I)(A+2I) =	0.	CO2					
-5 2 -4								
21) Find the rank of matrix	123.1							
	369-3		CO2					
21) Find the rank of matrix	2 4 6 - 2		02					
Ĺ	_ · · · _ _							
22) In how many ways can the l	etters of the word 'LE	EADER' be arranged?	C01					
•••	CECTION D	-						
Answer any one 23) Find the Eigen values and E			(1X12	2=12)				
23) Find the Eigen values and E	Eigen vectors of $A =$	$\begin{bmatrix} 3 & -1 & 1 \end{bmatrix}$	CO2					
-		-1 5 -1						
		1 -1 3						
24) Construct the truth table for	$(\sim P (\sim O, R))V((O)$	\mathbf{R}) $\mathbf{v}(\mathbf{P},\mathbf{R})$)	CO3					

24) Construct the truth table for $(\sim P_{\wedge}(\sim Q_{\wedge}R))V((Q_{\wedge}R)v(P_{\wedge}R))$

	•••••	OF COMPUTER SCIE	***************************************			
Course Code: 10AT31	Programme:	B.Sc.,	CIA: II Test			
Date: 07.09.2019 Time: 2Hrs	Major: Year:	COMP.SCIENCE II	Semester: III Maximum: 50 Marks			
Course Title:			ESEARCH			
	<u> </u>	SECTION-A				
Answer all the questions			(10X1 =1			
1) Which method is used to a	obtain optimum solu	tion for TP?	CO3			
a) VAM	b) MODI	c) hungarian	d) none			
2) If m+n-1= number of occu	pied cells, then the	solution is	CO3			
a) Feasible	b) unfeasible	c) un balanced	d) none			
3) The dummy source or des	tination in a transpo	rtation problem is added to	CO3			
A. to make balanced one		B. prevent solu	B. prevent solution from becoming degenerate			
C. ensure that total cost de	pes not exceed a lim	D. all of the ab	ove			
4) The transportation proble	em is special case of	ſ	CO3			
a) Assignment	b) LPP	c) graphical	d) none			
5) north – west corner refers	to		CO3			
a) Top left corner	b) Top right corne	er c) Both of them	n d) none			
6) the penalty in VAM repre	sents difference betw	ween costs of re	espective Row / column.CO3			
a. Two largest	b. Smallest two	c. Largest and	smallest d. None of them			
7) VAM stands for:			CO3			
a) Value added method.		b) Value assess	sment method.			
c) Vogel's approximation	method	d) Vogel adam	d) Vogel adam method.			
8) In least cost method the a	llocation is done by	selecting	CO3			
a) Upper left corner.		b) upper right c	corner.			
c) Middle cell in the trans	portation table	d) cell with the	d) cell with the lowest cost.			
9) In transportation problem	is said to be balance	ed if	CO3			
a) Total supply is not equation	al to total demand	b) total supply	is greater than total demand			
c) Total supply is lesser th	nan total demand	d) total supply	is equal to total demand .			
10) MODI stands for:			CO3			
a. modern distribution		b. mendel's dist	tribution method			
c. modified distribution m	ethod	d. Model index	d. Model index method.			

SECTION-B

Answer any FIVE questions

11. Define Transportation Problem

(5X2=10)

CO3

12. Define unbalanced Transportation Problem	CO3
13. Define Maximization Transportation Problem and how solve it	CO3
14. What are the methods to find IBFS in Transportation Problem?	CO3
15. Give the mathematical formulation of Transportation Problem	CO3
16. Define optimal solution	CO3
17. Define feasible test in Transportation Problem	CO3

SECTION-C

Answer any	y TH	[RE]	E qu	estio	ns			(3X6=18)
18. Explain	18. Explain VAM procedure							
19. Explain LCM procedure							CO3	
20. Find the	e star	ting	solut	ion o	of the	follo	owing transportation problem using NWCR	CO3
DESTINAT	ΓΙΟΙ	N						
SOURCE		Α	B	С	D	Ε	AVAILABLE	
	Р	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

21. Explain NWCR procedure

CO3

22. Find the initial basic feasible solution for following transportation problem using VAM method**CO3 Distribution Centres**

		D1	D2	D3	D4	Availability
	S1	11	13	17	14	250
Origin	S2	16	18	14	10	300
	S 3	21	24	13	10	400
	Requirements	200	225	275	250	

SECTION-D

Answer any ONE						(1X12=12)
23. Explain MODI algorithm method		CO3				
24. Find IBFS using VAM , LCM and NWCH	TP	CO3				
	des	tinat	ion			
source	a	b	c	d	supply	
1	11	20	7	8	50	
2	21	16	20	12	40	
3	8	12	18	9	70	
Demand	30	25	35	40		

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234 DEPARTMENT OF COMPUTER SCIENCE Course Code: 10CT11 **Programme:** B.Sc., CIA: II Test Date: 03.09.2019 Major: **COMP.SCIENCE** Semester: I Time: 2Hrs Year: Maximum: 50 Marks Ι **Course Title: PROGRAMMING IN C SECTION-A** Answer all questions (10X1=10)1. The & operator displays **CO2** A. address of the variable. B. value of the variable. C. result of the variable D. both (a) & (b). 2. A character array always ends with **CO2** A. null ($\setminus 0$) character. B. question mark (?). C. full stop(.). D. exclamation mark(!). 3. Which header file is essential for using strcmp() function? **CO2** A. <string.h> B. <strings.h> C.< text.h> D. <strcmp.h > 4. Recursion is a process in which a function calls **CO3** A. itself. B. another function. C. main() function. D. sub program. 5. By default the function returns **CO3** A. integer value. B. float value. C. char value. D. double. 6. The function strcpy(s1,s2) in string.h **CO2** A. copies s1 to s2. B. copies s2 to s1. C. appends s1 to end of s2. D. appends s2 to end of s1. 7. Which is valid string function? **CO2** A. strpbrk() C. strxfrm() D. strcut() B. strlen() 8. An array is a collection of **CO2** A. different data types. B. same data types. C. different data types D. only one data type. 9 The function that returns multiple value with the help of_ operators **CO3** C. * and -A. & and *. B. -> and ? D. ? and : 10. C language is available for which of the following Operating Systems? **CO3** A.DOS B. Windows C.Unix D. All of these **SECTION-B Answer any FIVE questions** (5X2=10)11. Define Array **CO2 CO2** 12. Define string 13. Write syntax of Array declaration **CO2** 14. Define function **CO3** 15. What are the different types of data types available in C? **CO3** 16. What is the different between gets () and scanf()? **CO2** 17. What is the output of the programs given below? **CO3** main() { float a; int x=6, y=4;a=x/y;printf("Value of a=%f", a); } SECTION-C (**3X6=18**) **Answer any THREE questions** 18. Explain one dimensional Array with example **CO2** 19. Explain puts() and gets() function with example **CO2** 20. Explain string functions in C with example **CO2** 21. Discuss why we need user defined functions **CO3** 22. Explain one dimensional array with example **CO2 SECTION-D** Answer any two (1X12=12)

23. Discuss about what are the elements of user-defined functionsCO324. Explain two dimensional arrays with exampleCO2

ave ave

		E, TIRUVEDA						
Course Code: 10CT12	••••	B.Sc.,		CIA: II Test				
Date: 06.09.2019	Major:	COMP.SCIE	NCE	Semester: I				
Fime: 2Hrs	Year:	Ι		Maximum: 5	0 Marks			
Course Title:	DIGITAL F	RICNCIPLES	AND COMP	UTER ORGAI	NIZATION			
	•	SECTION-A						
Answer all questions					(10X1=10)			
I. In 'D' register 'D' stands f	for			CO2	(10111 10)			
A)Delay B)Dec)Document	D)Data					
2. A register defined as			,	CO2				
A) The group of latches fo		information						
B) The group of latches fo	r storing n-bit of ir	nformation						
C) The group of flip-flops	suitable for storing	g one bit of inform	ation					
D) The group of flip-flops			on					
3. Which of the following is	1	1		CO2				
A) S-R flip-flop B) J-k		Master slave flip-	flop D)	D Flip-flop				
4.The 4 to 16 decoder is also				CO2				
A)4 of 16 decoder B)3 of		2 of 15 decoder	D)1					
5. In D Flip-Flop , 'D' stands	<u> </u>	_		CO2				
		Data		~~~				
5. A set of instruction that pe				CO3				
A) Program B)Stor		Data						
. The function of the				CO3				
A) Main memory B)Core	-	•						
3is a processor the	_	-	-					
A) ALU B)CPU D. BCD codebi	C)	Motherboard	D)Control	CO3				
A) 1 B)8		12	D)4	005				
10. The CPU registers is call	,	12	D)4	CO3				
A) Stack B)Que		Program Counter	D)Stack po					
Ti) Stuck D)Que		SECTION-B	D)Stack po	inter				
Answer any FIVE question					(5X2=10)			
11. Define Encoders .	-				CO2			
2. Define Flip-Flops & its v	arious types.				CO2			
3. Define Shift register & i	• 1				CO2			
4. List out the basic function		uter.			CO3			
5. Define ALU and CPU	-				CO3			
16. Differents between Softw	vare and Hardwar	e.			CO3			
7. Expands for the (i) LIFO	(ii) FIFO				CO3			
		SECTION-C						
Answer any THREE questi					(3X6=18)			
8. Explain about the Decod					CO2 CO2			
19. Explain about Serial In-Serial Out register with neat sketch.								
20. Write a short notes an functional units .								
	21. Explain about the BUS structure with neat Diagram.							
21. Explain about the BUS st		-						
21. Explain about the BUS st	k and Queue with	neat structure.			CO3			
21. Explain about the BUS st22. Write short notes an Stac	k and Queue with	-						
 Explain about the BUS st Write short notes an Stac Answer any ONE question. 	k and Queue with	n neat structure. SECTION-D	;;;) [].;;;	D Elin Ele-	(1X12=12)			
21. Explain about the BUS st 22. Write short notes an Stac	k and Queue with . (ii) Explai	n neat structure. SECTION-D in RS Flip-Flop.	iii)Explain	D Flip-Flop				

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

Course Code: 10CT31		OF COMPUTER SCIE			
Date: 03.09.2019	Major:	B.Sc., COMP.SCIENCE	Semester: III		
Time: 00:09:2019	Major: Year:	TT	Maximum: 50 Marks		
Time: 2Hrs Course Title:		ORGANISATION WITH			
Course fitte.	COMPUTER			,991NG	
Answer all questions		SECTION		X1=10)	
1. A is a digital circ	uit that performs the	inverse operation of a deco		CO2	
A. multiplexer.			D. encoder.	002	
2. A decimal arithmetic unit i				CO2	
A. analog.			D. Boolean.	002	
3. The assembler stores the c			D. Doolean.	CO2	
A. Main memory			D. Magnetic disk	002	
4. The means of entering info				CO3	
		C. printer.	 D. monitor.	005	
5. The subsystem of a compu				mont CO	
A. input/output.			D. exit.	ment.CO	
6. Many OS enable the CPU				CO^{2}	
		ing. C. multi-process	ing. D. multiple functio		
7. RAM stands for				CO3	
A. random access men	mory.	B. random memory.			
C. read only memory.				G Q Q	
8. A tract in magnetic disk in	-			CO3	
	B. longer.	C. thinner.	D. bigger.		
9. The transformation of date				CO3	
A. execution.	11 0	C. unmapping.	D. loading.		
10. The basic component of a				CO3	
A. parallel subtractor.	B. parallel adder.	C. half adder.	D. full adder.		
		SECTION-B			
Answer any FIVE question	S		(5X	2=10)	
11. What is PC?			CO2	,	
12. Define Vector process?			CO2		
13. Write about the pipelining	g with types?		CO2		
14.Differance between RAM			COZ		
15.Expand:(i)DMA (ii) RIS			CO		
16.Define Memory?			CO		
17. Define virtual memory?			CO		
r, Denne virtuar memory:			0.	1	
		SECTION-C			
			(337	(10)	

Answer any THREE questions	(3X6=18)
18. Discuss about the Program control?	CO2
19.Explain the Array processor?	CO2
20.Discuss about the I/O Interface?	CO3
21.Briefly explain I/O Processor.	CO3
22.Explain the Auxiliary memory?	CO3

SECTION-D

Answer any ONE	(1 X 12=12)
23.Discuss the Data manipulation instruction?	CO2
24.Explain the DMA?	CO3

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

		OF COMPUTER SC			
Course Code: 10CT32	Programme:	B.Sc., COMP.SCIENCE	CIA: II Test		
Date: 06.07.2019		COMP.SCIENCE			
Time: 2Hrs	Year:	II	Maximum:	50 Marks	
Course Title:		COMPUTER (GRAPHICS		
	S	ECTION – A			
ANSWER THE FOLLOW			(10	x 1 = 10)	
. The cartesian slope -inter					
	b) $y = b.x + m$		d) $y = b + m.m$	CO2	
2. On a raster system, lines	are plotted with	-	1) C (1	CO3	
		c) Pixels	d) none of these	CO2	
. Expansion of DDA algor		Direct Differntial Analyze	ər	CO2	
		Data Differential Analyze			
algorithm is a faster	•		L		
	b) Parallel Line		d) DDA	CO2	
is an accurate and	·	, 1	-/		
	e b) Parallel Line		d) DDA	CO2	
. In Bresenham's line algo		, 1	,	CO2	
a) Positive	b) Equal	c) Negative	d) a or c		
is defined as a se				x, y) CO2	
		c) Circle			
. Continous curves that are				e	
		c) Polygon		CO2	
is used to adjust the				000	
, 1	· •	c) Line Caps	·	CO2	
0 function loads a j		c) setTextAlignment		CO2	
a) setLineraui	0) setrixer	c) set l'extAngiment	u) miero	02	
	S	ECTION – B			
NSWER ANY FIVE OF	THE FOLLOWIN	G:	(5)	x 2 = 10)	
1. Expand PHIGS?				CO2	
2. Give any two advantage	es of DDA Line algor	rithm?		CO2	
3. List the basic attributes	6			CO2	
4. Given the set of coeffici			yperbola?	CO2	
5. List the parameters for the	ne setLinetype function	on?		CO2	
6. Define Line Caps?				CO2	
7. Give the uses of Area F	Ill attributes?			CO2	
	SFC'	TION – C			
			(3)	(10)	
NSWER ANY THREE (ING:	1.1	x 6 = 18)	
	OF THE FOLLOW		•	x 6 = 18) CO2	
8. Brief a note on general of	OF THE FOLLOW	tions in graphics package	•	x 6 = 18) CO2 CO2	
8. Brief a note on general of9. Summarize a note on out	OF THE FOLLOW coordinate representa itput primitives and g	tions in graphics package graphics functions?	•	CO2	
ANSWER ANY THREE (8. Brief a note on general of 9. Summarize a note on ou 20. Critically analyze the w 21. Discuss about the Line a	OF THE FOLLOW coordinate representa ttput primitives and g orking of Line Drawi	tions in graphics package graphics functions?	•	CO2 CO2	

SECTION – D

ANSWER ANY ONE OF THE FOLLOWING:	$(1 \times 12 = 12)$
23. Compare and criticize the working of DDA algorithm?	CO2
24. Explain the working of Bresenham's Algorithm with suitable illustration	CO2

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234					
	DEPARTMENT	OF COMPUTER SC			
Course Code: 10CT51	Programme:			II Test	
Date: 04.09.2019	Major:	COMP.SCIENCE		ster: V	
Time: 2Hrs	Year:	III	Maxii	num: 50 Marks	
Course Title: COMPUTER NETWORKS					
	S	ECTION – A			
ANSWER ALL THE QUE	STIONS:			$(10 \times 1 = 10)$	
1. Information is transmitted		varying			
a) Electromagnetic waves		c) Frequency		d) Speed	
2. The range of frequencies t	ransmitted without	being strongly attenuated	is called		
a) Baud rate	b) Bandwidth	c) Data trans	fer rate	d) Attenuation	
3. A Standard Ultrium tapes	can holdgig	abytes of data			
a) 200	b) 50	c) 100		d)10	
4. Expand UTP.					
a) Unshielded Twisted Pa			• •	d) Unified Twisted pair	
5 cables are used for			vork		
a) 30 ohms	b) 10 ohms	c) 75 ohms		d) 95 ohms	
6fibre optic cable car			ut amplificati		
a) Multimode	b) Single mode	c) Two way		d) Broad band	
7 is the spreading of li			h fiber optic		
a) Chromatic Dispersion	b) LASER	c) Grating		d) SONAR	
8. Expand PSTN.					
a) Private Switched Telep			-	one Network	
c) Packet switched Teleph		,	witching telep	phone network	
9. Local loop connects each	subscriber's telepho				
a) Toll Office	0.00	b) End Office			
c) Intermediate switching		d) none of the			
10 is the loss of energy					
a) Bandwidth	b) Data transfer ra	ate c) Attenuatio	n	d) Distortion	
	C.	ECTION – B			
ANSWER ANY FIVE OF				$(5 \times 2 = 10)$	
11. Give any two types twist		0.		$(3 \times 2 - 10)$	
12. Give any two types of fit	1				
13. List the types of Coaxial	-				
14. Define solitons?					
15. Expand FHSS and DSSS	?				
16. Define Multipath Fading					
17. Give the function of Swi					
	C				
	S	ECTION – C			
ANSWER ANY THREE O	F THE FOLLOW	ING		$(3 \times 6 = 18)$	

- 18. Briefa note on the characteristics and types of coaxial cables?
- 19. Distinguish between coaxial cables and fiber optic cables?
- 20. Write a summary on the Electromagnetic Spectrum?
- 21. Identify and write a note on problems in Transmission Lines?
- 22. Explain the working of a modem?

$\boldsymbol{SECTION-D}$

ANSWER ANY ONE OF THE FOLLOWING

23. Enumerate on types of transmission media, their characteristics and types in each category?

24. Analyze characteristics of Public Switched Telephone Network?

 $(1 \times 12 = 12)$

	DEPARTMENT			
Course Code: 10CT52	Programme:			CIA: II Test
Date: 05.09.2019	Major:	COMP.	SCIENCE	Semester: V
Time: 2Hrs	Year:		III	Maximum: 50 Marks
Course Title:		JA	AVA PROGRAM	MING
	S	SECTION	·A	
Answer all questions				(10X1=10)
1. One interface can inherit	-	e keyword		
A. public.	B. extends.		C. method name.	D. class name.
2. Which of these access spe		for an interf		
	B. protected.	<i>.</i> •	C. private.	D. All of the mentioned.
3 can be declared i		arations.		D. Kassanda
A. Variables.	B. Classes.	anah an af h	C. Methods.	D. Keywords.
4. Which of these keywords		ember of D	C. this.	D. None of the mentioned
A. upper.5. Which of these keywords	B. super.	ant Mathad		D. None of the mentioned
A. static.	B. constant.		C. protected.	D. final.
6. Which of these keywords		erit a class?	1	D. Intal.
A. super.	B. this.	ent a chass.	C. extent.	D. extends
7. Which class cannot be a s				
A. abstract class	B. parent class		C. Final class	D. None of above
8. The concept of derived cla	1			
A. encapsulation.			C. polymorphism	. D. inheritance.
9. Which of these keywords	is used by a class to	use an inte	erface defined previ	iously?
A. import.	B. imports.		C. implements.	D. implement.
10. A package is a collection	n of			
A. keywords.	B. classes and inter	rfaces.	C. editing tools.	D. views.
	c		D	
		SECTION	·В	(5322,10)
Answer any FIVE question	18			(5X2=10)
 11) Define Array 12) Define Interface. 				
12) Define interface.13) Write the type of inherit	ance			
14) Define Method	lance			
15) What is package				
16) Write about access spec	cifier			
17) Write difference betwee		cted		
		SECTION	·C	
Answer any THREE quest				(3X6=18)
18) Explain about Array wit	-			
19) Discuss about Inheritan	• 1			
20) Distinguish between C		ala usina al	and object	
21) Write a java program to22) Write short notes on Pa		cie using cl	ass and object	
	S	SECTION	·D	
Answer any one	toufooo oor '-1)	(1X12=12)
23) Briefly explain about in	terrace concept with	i examples?		

23) Briefly explain about interface concept with examples?24) Explain about packages and write the running procedure with examples?

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VIVERAN		E, TIRUVEDAKAM WES OF COMPUTER SCIEN	^F	
Course Code: 10EP1A				Test
Date: 06.09.2019	Major:	COMP. SCIENCE	Semes	ter: V
Time: 2Hrs	Voor.		Mavim	um: 50 Marks
Course Title:	Year:	SOFTWARE ENGIN	FERING	
	<u>i</u>		DERING	
Angener ALL Oregations	S.	ECTION – A		(1 V 1 10)
Answer ALL Questions:				(1 X 1 = 10)
1. A design should be a. popular.		c. modular.		d complex
2 factor in				d. complex.
a. Usability.	h Reliability	c. Performance.		d. Supportability.
3. A abstraction is				a. Supportuoliity.
a. data.			object.	d. architecture.
4 is achieved			tion.	al al childe tare.
a. Modularity.		b. Information hi		
c. Functional independenc	e.	d. Refinement.		
5. Representations of softwar		e communication between		
a. modules.				d. components.
6. The translates of			vel.	
a. analysis.	b. design.	c. architecture.		d. code.
7. Design phase is followed b	ру			
a. coding.		c. testing.		d. maintenance.
8. Prototyping model begins	with			
a. test prototype.	-	c. requirements g	-	
9. The system which is develo	-			
a. RAD.	b. spiral.	c. prototyping.		d. incremental.
10. Tests that demonstrates ea				
a. white-box.	b. black-box.	c. integration.		d. stress.
	S	ECTION – B		
Answer any FIVE Question				(5*2=10)
11. Define COCOMO.				
12.What are the characteristic	cs of SRS?			
13. What is data flow diagram	n?			
14. Explain the relational not	ation.			
15. Expand: SRS, ESP				
16. Write short notes on decis				
17. Define software maintena	ince.			
	C.	ECTION – C		
Answer Any THREE Quest				(3*6=18)
18. Explain the Delphi Cost H				(5 0-10)
19. Discuss about the WBS?				
20. Explain the Staffing level	Estimation.			
21. Explain the PSL/REVS				
22. Discuss about the Format	s of SRS.			
	~			
Answer Any ONE Aussian		ECTION – D		$(1 \times 12 - 12)$
Answer Any ONE Question 23.Explain about Software Co				(1 X 12 = 12)
24.Briefly explain Petri nets	051 1°act015.			
24. Drieny explain reut nets	508 50	e ave ave ave ave ave a ave ave ave ave ave		
	র্বচন্দ্র রট	s ans ans ans ans ans		