Department of Computer Science Vivekananda College Tiruvedakam West Date: 08.04.2019	-	c Computer Science <u>STRUCTURE -10CT21</u>	III Sessional To I Semester Max.Marks: 50 Time : 2hrs	
Answer all questions 1. OOP language sup A. Encapsulation. 2is the funda A. Module.	B. Polymorphism. amental building bloc B. Code.	SECTION-A atures, inheritance and C. Object identity. k of object-oriented prog C. Object. ch expansion of the funct	D. Functions. gramming language D. Function.	
execution. A. Friend.	B. Inline.	C. Recursive. vate and protected memb	D. Member.	CO2
A. Multiple.	B. Member. wing is not a type of i B. Multilevel. refers to the value that	C. Non-member. inheritance? C. Distributive t is used to call a function	•	CO2 CO3
A. LIFO B. Top	ns aStrue C. FIFO D. None		D. pointer	CO4
physical adjacenc A. linear data struc	ich is capable of expre y is called cture. B. linked	l list. C. nonlinear data	ationship than that Structure D. dat	ta structure. CO5
·	B. fields C. nodes		ship between indiv	CO5
 Answer any FIVE qu 11) Any two different 12) Define Class. 13) Write the beneft 14) Define Object 	nce between with C a	SECTION-B nd C++?	(5X2=10) CO CO CO CO	2 01

16) Define Encapsulation17) Define Inheritance

15) What is linear Data structure

SECTION-CAnswer any THREE questions(3X6=18)18) Explain about constructorCO219) Discuss about DestructorCO220) Discuss about the Inline FunctionCO221) Explain about single inheritanceCO322) Write short notes on Bubble sortCO5

SECTION-D

CO4

CO3

CO3

Answer any ONE question		(1X12=12)
23) Briefly explain about the Stack and Queue	CO4	
24) Explain about Basic Concepts of Object-Oriented Programming	CO1	

VIVEKANANDA COLLEGE, TIRUVEDAKAM 625 234 I Year B.Sc. Computer Science – Sessional Examination – III

Time: 2 Hours

Maximum Marks:50

Date: 11.04.2019	
MICROPROCESSOR & INTERFACING TECHN	NQUES-10CT22
<u>SECTION – A</u>	
ANSWER ALL QUESTIONS	$(10 \times 1 = 10)$
I. In 8086 microprocessor one of the following statements is not true	· · · · · · · · · · · · · · · · · · ·
A. coprocessor is interfaced in max mode. B. coprocessor i	
C. I/O can be interfaced in max / min mode. D. supports pipe	
2. Address line for TRAP is?	CO5
A. 0023H B. 0024H C. 0033H	D. 0099H
. Access time is faster for	CO5
A. ROM B. SRAM C. DRAM	D. ERAM
. The First Microprocessor was	CO4
A. 8080 B. 8085 C. 4008	D. Intel 4004
. Status register is also called as	CO3
accumulator B. stack C. counter	D. flags
. Which of the following is not a basic element within the micropro	
. Microcontroller B. Arithmetic logic unit (ALU) C. Regis	
. Which method bypasses the CPU for certain types of data transfer	? CO3
. Software interrupts B. Interrupt-driven I/O	
. Polled I/O D. Direct memory access (DMA	
Which bus is bidirectional?	CO5
. Address bus B. Control bus C. Data bus	D. None of the above
The first microprocessor had a(n)	CO5
1 - bit data bus B. 2 – bit data bus C. 4 – bit data bus	D. 8 – bit data bus
0. Which microprocessor has multiplexed data and address lines?	CO5
8086 B. 80286 C. 80386	D. Pentium
SECTION D	
<u>SECTION – B</u>	
	$(5 \times 2 = 10)$
NSWER ANY FIVE QUESTIONS	$(5 \times 2 = 10)$ CO3
NSWER ANY FIVE QUESTIONS 1) Write any processor?	
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD.	CO3
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle?	CO3 CO5
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group?	CO3 CO5 CO3
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction?	CO3 CO5 CO3 CO4 CO4
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 5) What is status register.	CO3 CO5 CO3 CO4 CO4 CO4 CO3
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c	CO3 CO5 CO3 CO4 CO4 CO4 CO3
NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c	CO3 CO5 CO3 CO4 CO4 CO4 CO3 cO4 CO3
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C 	configuration. CO3 CO3 CO4 CO4 CO4 CO3 CO4 CO3 CO4 CO3 CO3 CO4 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO4 CO3 CO3 CO3 CO3 CO4 CO3 CO3 CO3 CO3 CO3 CO4 CO3 CO3 CO3 CO4 CO3 CO3 CO4 CO3 CO4 CO3 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO4 CO3 CO4 CO4 CO3 CO4 CO3 CO4 CO4 CO3 CO4 CO4 CO4 CO3 CO4 CO5 CO4 CO5 CO4 CO5
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS 8) Write about Bus Interface and execution Unit 	configuration. CO3 CO3 CO4 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO3 CO4 CO3 CO3 CO4 CO3 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO3 CO4 CO4 CO4 CO3 CO4 CO4 CO3 CO4 CO4 CO4 CO3 CO4
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS 8)Write about Bus Interface and execution Unit 9)Write about 8086 Read and write bus cycle 	configuration. CO3 $CO5$ $CO3$ $CO4$ $CO4$ $CO3$ $CO4$ $CO3$ $CO4$ $CO4$ $CO4$ $CO4$
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS 8)Write about Bus Interface and execution Unit 9)Write about 8086 Read and write bus cycle 0) Explain about i)Pentium ii) AMD 	configuration. CO3 $CO3$ $CO4$ $CO4$ $CO4$ $CO3$ $CO4$ $CO3$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS 8)Write about Bus Interface and execution Unit 9)Write about 8086 Read and write bus cycle 0) Explain about i)Pentium ii) AMD 1) Write a short note on Alpha and Cyrix 	configuration. $\begin{array}{c} \text{CO3}\\ \text{CO3}\\ \text{CO4}\\ \text{CO4}\\ \text{CO3}\\ \text{CO4}\\ \text{CO3}\\ \text{CO4}\\ \text{CO4}\\ \text{CO4}\\ \text{CO4}\\ \text{CO5}\\ \text{CO5}\\ \text{CO5}\\ \end{array}$
 NSWER ANY FIVE QUESTIONS Write any processor? Expand AMD. What is BUS Cycle? What is Arithmetic group? What is Arithmetic group? What are the functions of data transfer instruction? What is status register. Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS Write about Bus Interface and execution Unit Write about 8086 Read and write bus cycle Explain about i)Pentium ii) AMD Write a short note on Alpha and Cyrix Write about DMA controller 	configuration. CO3 $CO3$ $CO4$ $CO4$ $CO4$ $CO3$ $CO4$ $CO3$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$
 NSWER ANY FIVE QUESTIONS 1) Write any processor? 2) Expand AMD. 3) What is BUS Cycle? 4) What is Arithmetic group? 5). What are the functions of data transfer instruction? 6) What is status register. 7) Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS 8)Write about Bus Interface and execution Unit 9)Write about 8086 Read and write bus cycle 0) Explain about i)Pentium ii) AMD 1) Write a short note on Alpha and Cyrix 2) Write about DMA controller 	configuration. $(3 \times 6 = 18)$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO4$ $CO5$ $CO5$ $CO3$
 NSWER ANY FIVE QUESTIONS Write any processor? Expand AMD. What is BUS Cycle? What is Arithmetic group? What is Arithmetic group? What are the functions of data transfer instruction? What is status register. Draw the diagram of 8086 based computer in minimum mode c SECTION – C NSWER ANY THREE QUESTIONS Write about Bus Interface and execution Unit Write about 8086 Read and write bus cycle Explain about i)Pentium ii) AMD Write a short note on Alpha and Cyrix Write about DMA controller 	configuration. $\begin{array}{c} \text{CO3}\\ \text{CO3}\\ \text{CO4}\\ \text{CO4}\\ \text{CO3}\\ \text{CO4}\\ \text{CO3}\\ \text{CO4}\\ \text{CO4}\\ \text{CO4}\\ \text{CO4}\\ \text{CO5}\\ \text{CO5}\\ \text{CO5}\\ \end{array}$

*****ALL THE BEST*****

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST II Year B.Sc. Computer Science – Sessional Examination – III

Date: 09.04.2019 Time: 2 Hours

Maximum Marks: 50

Time: 2 Hours	On anothing Sugtant 10CT/1	Maximum Marks: 50			
	Operating System 10CT41				
	SECTION-A				
ANSWER ALL THEQUESTIONS		10*1=10			
1) Which buffer holds the output fo	r a device?				
	c) status	d) magic			
2) process is moved to wait queue					
a) non-blocking I/O b) blocking I	/O c) asynchronous I/O	d) synchronous I/O			
3) I/O hardware contains					
a) Bus b) Controller	c) I/O port and its registers	d) All of the mentioned			
	ommand is available for the controlle				
a) write b) status	c) command-ready	d) control			
5) For large data transfers,	is used.				
	c) controller register				
	data are collected in the order in whic	h they arrive where each			
record consists of one burst of data.					
	c) indexed sequential				
	fixed format is used for records where				
	per of fixed length fields in a particula				
	c) indexed sequential				
8) The maintains the key ch	naracteristic of the sequential file: Rec	cords are organized in			
sequence based on a key field.					
	c) indexed sequential file				
9) The retains one lim	itation of the sequential file: effective	processing is limited to			
that which is based on a single field	l of the file.				
a) pile b) sequential file	c) indexed sequential file	d) indexed file			
	plications where data are rarely proce				
a) pile b) sequential file	c) indexed sequential file	d) indexed file			
	SECTION-B	(/ 0)			
Answer any FIVE questions		(5X2=10)			
11) Define cpu headway?					
12) What is file system?13) What is I/O traffic controller ?					
14) Define data management ?					
15) What is file system ?					
16) What is SFS?					
17) Define Information management					
ý C	SECTION-C				
Answer any THREE questions		(3X6=18)			
18) Write a note on the techniques for	-				
19) Explain the functions of device ma	÷				
-	20) Explain in brief about I/O scheduler and I/O device management.				
21) Explain channels and control units					
22)Explain access control matrix and	access control lists.				
	SECTION-D				
Answer any ONE Question		(1X12=12)			
23) Explain the storage devices.		()			
24) Explain the general model of the fi	le system in detail.				
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VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

II Year B.Sc. Computer Science – Sessional Examination – III

Time: 2 Hours	biser computer science	Sessional Lixa		imum Marks: 50
Date: 10.04.2019 R	elational database mana	gement system 1	0CT42	
	SECTIO	 N _ A		
ANSWER ALL QUESTIO		$\mathbf{N} = \mathbf{A}$	(10 X	1 = 10)
1. SQL is a la			(10 / ~	1 = 10)
A. Database Languages		es C Both	D None	
2. SQL outputs a single table			D. None	
A. view	B. column		ace D. Resul	teat
3. Which algebra is widely u		C. Table spa	ace D. Kesul	
A. Arithmetic algebra		ahra C P	oth D None	
			D. None	
4. Data is passed to a program		 C. DDL		
A. DBMS	B. SQL	C. DDL	D. SDL	
5. TCL stands for:		T .	1.1	
	bl languages B		mand language	S
	ct languages D			
6. Which is that part of SQL				ase objects:
A. DBMS	B. SQL	C. DDL	D. SDL	
7commands in SQL				
		. Data control	D. All of the	ese
8. Which product is returned				
A. Equijoins	B. Cartesian C		D. None	
9. It refers to set of one or me	ore columns that designate	es the key	in a referential	integrity
constraint:				
	B. Foreign key C			
10. Which constraint that req	uires that the column con	tain a value when	it is initially in	serted into the
table:				
A. IS NULL	B. NOT NULL C	. UNIQUE	D. NONE	
	<u>SECTIC</u>	<u> N – B</u>		
ANSWER ANY FIVE QUI	ESTIONS			
11) Write any two-aggregate	function?			$(5 \times 2 = 10)$
12) Define CLIENT SERVE	ER system.			
13) What is commit?				
14) What is rollback?				
15). Define Trigger.				
16) Define deadlock.				
17) Write the syntax for che	ck constraints.			
, ,	SECTIO	$\mathbf{N} - \mathbf{C}$		
ANSWER ANY THREE Q				$(3 \times 6 = 18)$
18) Explain on creating trigg				(
19) Explain about locking te		our database		
20) What is deadlock? Expla			ods	
21) Write the advantages of a	1			
22) Discuss about the advant		distributed databa	ase.	
	SECTIO			
ANSWER ANY ONE QUE				$(1 \times 12 = 12)$
23) Discuss about various co		with example?		$(1 \land 12 - 12)$
25 Discuss about various co	inponent of Ex-magrain v	with crampic:		

24) Give the block structure of PL/SQL. what are the advantages of PL/SQL?

Department of Computer Science Vivekananda College Tiruvedakam West Date: 11.04.2019		Computer Science GRAMMING - 10CT43	III Sessional Test IV Semester Max.Marks: 50 Time: 2hrs
Dute: 11.04.2017	S	ECTION-A	
Answer all questions	~	201101(11	(10X1=10)
1. Which control is an e	example of an obje	ct in VB.NET?	(,
		C. Textbox.	D. All of the above.
2. Properties are used to			
A. actions.	3. classes.	C. data.	D. events.
		maximum length of a t	
_	B. Multiline	-	
		y or method is	
A. a class.	3. a control.	C. an object.	D. Both a and b.
5. Which is a valid state		-	
			Integer
C. Dim Form As Ir	nteger	B. ConstmyForm As D. Dim myForm As	Integer
6. The first event trigge	red in an .aspx pag	e is	integer
		C. Page_Render()	D. Page Click()
		Γ Framework is	
Aascx H			
		me environment called _	-
	B.RC	C. RCT	
9. Find the ODD One C		0.101	DINIE
		B. Regular Expressio	n Validator
C. Custom Validator		D. Text Validator	
		ins web applications in a	web server
		C. Virtual Folder	
	S	ECTION-B	
Answer any FIVE quest			(5 X 2 = 1 0)
11) Define ASP.Net?			
12) discuss about the a	ny two important f	features of ASP.Net?	
13) What is timer contr	rol.		
14) Define VB.Net vari	able.		
15) Different between	label and link labe	l.	
16) Explain the Radio	button with examp	ole.	
17) What is text box wi	th sample example	2.	
		ECTION-C	
Answer any THREE qu			(3X6=18)
18) Discuss about impo	1 I		
19) Write a program in	Fibonacci series u	using constructor and des	structor.

- 20) Explain the dialog boxes in VB.NET.
- 21) Explain the List Box with example.
- 22) Discuss about the web server control.

SECTION-D

(1X12=12)

Answer any one

23) Explain about the validation server control with example.

24) Write a program in Employee details using Inheritance.

Department of Computer Science	III year B.Sc Computer Science	III Sessional Test VI Semester
Vivekananda College	WebTechnology-10CT61	Max.Marks: 50
Tiruvedakam West Date: 10.04.2019		Time : 2hrs
	SECTION A	
Answer ALL		(10x1=10)
	rk Data Provider for SQL Server, an applicat	tion must reference the
namespace.		
2. Which of the following is e	<pre>vstem.Data.SqlClient c) System.Data.Sql numeration for ADO.net with SQL Server ? ulkCopyOptions c) SqlNotification</pre>	d) None of the mentionedd) All of the mentioned
	hing the connection in ADO.net is :	d) All of the mentioned
	l sqlConn.close() b) sqlConn.open() and	d sqlConn.Close()
	l sqlConn.Close() d) None of the mentio	oned
	nnect for SQL Server includes :	
	b) Ability of monitori	• • •
	versions of SQL Server d) All of the n to fill a DataSet/DataTable with query resul	
0		aTables
	perty of ASP.NET page that you can query	
	sted not data being submitted to web server?	
a) FirstGet b) Initia	,	d)IsPostBack
model should you use?	ode from client-side code on a ASP.NET pa	
· •	b) Code-Behind model c) In-Line model	
	ata access, what must be added to the conne	
c) Asynchronous=true	MultiThreaded=true b)MultipleActiveResu d) Asynchronous=false	unseis=inue
9. The first event triggered in	· •	
	e_Load() C. Page_Render() D. Page_Click())
	ntrols in .NET Framework is	
Aascx Baswx Ca	1	
Answer ony FIVE	SECTION B (5x2=1	10)
Answer any FIVE 11. What is request and respon		10)
12. Define frames		
13. Define array		
14. Define cookies	_	
15. How to set background im	age on webpage	
16. Expand SMTP, OLEDB 17. Write syntax of alert box		
The write system of affect box	SECTION C	
Answer any THREE	(3 x6=1	18)
18. Write notes on event hand		
19. Write browser objects in J		
20. Explain anchor controls in21. Explain window and docu	-	
22. Explain about cookies	ment objects in JavaScript	
	SECTION D	
Answer any ONE		(1x12=12)
23. Discus about event handlin		
24. Explain different controls	in Asp.net	

Department of Computer Science Vivekananda College Tiruvedakam West Date: 11.04.2019	·	3.Sc Computer Science	VI Semester
		SECTION-A	
Answer all questions			(10X1=10)
1. What is the full form of			
a) Wide Local Area			
b) Wireless Local A			
c) Wireless Land A			
d) Wireless Local A			
2. What is the name of 300		-	•
· · · · · · · · · · · · · · · · · · ·	nlicensed PCS	'	,
			ol (MAC) and physical layer
specifications for impleme	-		
a) IEEE 802.16	b) IEEE 802	'	02.11 d) IEEE 802.15
4. Which of the following			
a) HIPER-LAN	b) HIPERL	,	02.11b d) AMPS
5. Which of the following		-	
a) IEEE 802.15	b) IEEE 802	2.15.4 c) IEEE 8	02.11g d) IEEE 802.11b
6. What does WAP means		1 *** 1	
a. Wired Application			ss Application Protocol
c. Wired Automatic		d. Wireles	ss Authentication Protocol
7. Which language is used			
a. WML	b.XML	c. HTML	d.DHTML
8. WAP is used for			
a. Web browser	b.Macro-B	rowser c.Micro-B	Browser d. Mobile Browse
9. The pages created in WAR	b. Decks	o Condo	d Wah nama
a. WAP – Pages 10. The Extension of WAF		c. Cards	d. Web-pages
aWML	bWAP	c WML	.S dXML
	$\mathbf{U}. \mathbf{W}\mathbf{A}\mathbf{F}$	SECTION-B	S U. AML
Answer any FIVE question	S	SECTION-D	(5 X 2 =10)
11) Define Bluetooth	3		(3/12-10)
12) Define WAP			
13) What is meant by WM	AL?		
14) Define piconet			
15) Write about PPP			
16) Expand TCP, UDP, I	Р		
17) Write Bluetooth Proto			
,		SECTION-C	
Answer any THREE questi	ons		(3X6=18)
18) Explain about character	eristics of Blue	tooth	
19) Discuss about compo			
20) Draw the neat diagram	n of Bluetooth	architecture	
21) Explain about Wirele		e .	
22) Discuss about WML	and WML Stru	cture	
Answer any one		SECTION-D	(1X12=12)

24) Explain about Wireless Application Protocol.

	Part-IV: Non major elective subject,	II	III Sessional Test		
Science	semester		II Semester		
Vivekananda College Tiruvedakam West	WED DDOCD & MAUNC 10NE2	1	Max.Marks: 50 Time: 2hrs		
Date: 10.04.2019	WEB PROGRAMMING - 10NE2	1	Time. 2018		
Date: 10.04.2017	SECTION-A				
ANSWER ALL QUESTION			1*10=10		
$\frac{ANSWERALL QUESTION}{1} tag indicates$			1 10-10		
(a) Bold (b) Font (c)Text					
2) <tr> tag used to represe</tr>					
(a) Table row (b) table of	blumn (c)table width (d) none				
3) Which one of the followi					
(a) $\langle UL \rangle$ (b) $\langle OL \rangle$ (c) $\langle dL \rangle$					
4) Which tag is used for add					
	(c) < Text > (d) < Frame >				
5) Which tag is used for lin					
	(c) $<$ a href $>$ (d) $<$ HTML $>$				
	s specified using				
Δ curly braces B so	luare braces. C. parenthesis. I) locati	on node		
7) Ever	_ element creates a new checkbox in the	form	on node.		
A type='sheekbox'	B. type='chkbox'. C. type='check l	hov' Γ	type='ably boy'		
		UUX. L	. type= clik box .		
	rm causes changes to server data.		D Mathad lasting		
	B. Method = 'get'. C. Method = 'ch	lange.	D. Method = $action$.		
	d to define the content of the document.				
		D. DHTN			
	he tag is the path to a script that pr	rocesses	the form data.		
A. type. B. fo	orm. C. text. D. select.				
	SECTION-B	()			
Answer any FIVE questions		(:	5X2=10)		
11) Briefly discuss about the					
12) write a short note on <ma< td=""><td>A</td><td></td><td></td></ma<>	A				
13) EXPAND HTML and H	ITP?				
14) What is INTERNET?					
15) EXPAND WWW?	2				
16) Write any two-browser n					
17) Write a paragraph tag wi	th an example?				
	SECTION-C				
A new on any THDEE quartie		6	276-19)		
Answer any THREE question 18) What is list? Explain with		(.	3X6=18)		
19) Discuss about unordered					
	-				
20) Explain about heading tags with suitable example program21) How to create a table? Explain with a simple program					
22) briefly discuss about font tag with example.					
22) onony discuss about roll ag with example.					
	SECTION-D				
Answer any one		(1	IX12=12)		
(22) II (-11)	· · · · · · · · · · · · · · · · · · ·				

23) How to create table using its various attributes? explain with an example program
24) Write a HTML program to display your Bio-Data using form tag

Department of Computer Science Vivekananda College Tiruvedakam West Date: 06.04.2019

Answer all questions

II year B.Sc. Computer Science

UNIX AND SHELL PROGRAMMING - 10SB41

III Sessional Test IV Semester Max. Marks: 25 Time : 1 hrs

SECTION-A

1. Which command is used by the shell for manipulating positional parameters? a. set b. cut c. case d. paste 2. _____ statement is used for shifting arguments left. a. set b. shift c. cut d. paste Answer: b 3. Which one of the following is an internal command? b. expr c. set d. Is a. cut 4. Which symbol is used with the set command for command substitution? b. c. ?? a. – d. 5. The _____ allows us to read data from the same file containing the script. a.>> b.<< c. !! d. — **SECTION-B** Answer any TWO questions (2X2=4)

- 6. what is a shell program?
- 7. Discuss the shell keywords?
- 8. Explain the For structure.

Answer any one

9. what is operator in shell with example.

SECTION-C

Answer any THREE questions 10. Write a shell program to add two numbers. 11. Explain shell variable and rules.

SECTION-D

`(1X10=10)

12) Explain the loop control structures.

13) Define functions and user define function.

(5X1=5)

(1X6=6)

I. Answer all questions

a. ROM BIOS

5. Modem is

a. Monitor

6. Define FDD

III year B.Sc Computer Science

PC HARDWARE & TROUBLE SHOOTING-10SB61

III Sessional Test VI Semester Max.Marks: 25 Time : 1hrs

d. boot.ini

SECTION-A

c. CONFIG.SYS

1. From what location are the 1st computer instructions available on boot up?

b. CPU

2. What product is used to clean smudged keys on a keyboard? a. TMC solvent b. Silicone spray c. Denatured alcohol d. All-purpose cleaner 3. Main store' of CPU is also called b. temporary memory c. immediate access store d. both A & C a. main memory 4. ESD would cause the most damage to which component? a. Power supply b. Expansion board c. Monitor d Keyboard b. Cable Wire c. Modulator Demodulator d. Power supply **SECTION – B II.** Answer Any Two Question 7. Define HDD 8. Write about CD

9. Define Troubleshooting

SECTION - C III. Answer Any One Question (1x6=6)10. Explain about the mass storage device

11. Briefly discuss about the i) pen drive ii) Tape drive

SECTION – D

IV. Answer Any One Question

- 12. Explain in detail about FDD and HDD
- 13. Explain about the CD and DVD technology

(1x10=10)

(5x1=5)

(2x2=4)

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

III Year B.Sc. Computer Science – Sessional Examination – III

Date: 05.04.2019		
Time: 2 Hours	Maximum Marks: 25	
	OTP 10SB62	
S	ECTION-A	
Answer all questions		(5x1=5)
1 is used to move an image or a		. ,
a) Eyedropper Tool b) Zoom Tool		
2. The built-in support across different applica	ations is known as	
a) Text tool b) Crop tool c) Move tool	d) Zoom tool	
3 displays the various shade	es of the color you have selected in the col	or slider bar
a) Color picker b) Slide Bar c) Alert	d) Crop	
4. What is the shortcut key for Paste a file?		
a)Ctrl+O b) Ctrl+V	c) Shift + O d) Ctrl+W	
5. PDF Stands for		
a) Portable Document Format b) Portable	e Drive Format	
c) Portable Disk Format d) Photogr	raphic Document Format	
S	ECTION-B	
Answer any TWO question		(2X2=4)
6. Define Zoom Tool.		
7. Define Page layout?		
8. What are the toolbar of layer palette?		
9. Define colour palette.		
S	ECTION-C	
Answer any THREE questions		(1X6=6)
10) Explain about Brightness/Contrast Palette	2	
11) Discuss about the Shape Masking		
	ECTION-D	(15710 10)
Answer any ONE Question	Dhatashan 22	(1X10=10)
12) Give a brief explains about the palettes in	-	
13) Give a brief explains about the layers in F	Photoshop'? ******	
	an an an an an an an	

Department of Computer Science Vivekananda College Tiruvedakam West Date: 06.04.2019

Answer all questions

III year B.Sc. Computer Science

Network Security and Cryptography - 10SB63

III Sessional Test VI Semester Max. Marks: 25 Time : 1 hrs

SECTION-A

(5X1=5)

(2X2=4)

1) ______ exploits service flaws in computers to inhibit use by legitimate users

a) Service threats b) attacks c) viruses d) none

2) _____key is also input to the encryption algorithm

a) Plain text b) Secret c) decryption d) Encryption

3) Insertion of messages into the network from a fraudulent source is _____

a) Masquerade b) Content c) DOS d) Key

4) _____ is an open source freely available software package for E-mail security

a) PGP b) S/MIME c) DSS d) DES

5) ______ are designed to collect information about the attacker's activity

a) Honey pot b) Firewall c) Intrusion d) malware

SECTION-B

Answer any two questions

6)Write note on worms.7)What is HTTPS? Write note on it.8)Write note on firewalls.9)Write about intruders.

SECTION-C

Answer any One questions	(1X6=6)
10) Explain about Digital signatures.	
11) Explain the different phase of virus.	
SECTION-D	
Answer any one question	(1X10=10)
12) Discuss about Cybercrime and Ethical issues in cryptography	
13) Explain about Malicious Programs and it types.	

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

I Year B.Sc. Computer Science Time: 2 Hours Date: 12.04.2019

III - Test Maximum Marks: 50

CO4

STATISTICS& PROBABILITY - 10AT21	
SECTION-A	
	0*1=10
1. What is the probability of the event that an even number appears when tossing a fair d	ice? CO4
a) ¹ / ₂ b) 1/6 c) ¹ / ₄ d) 2/3	
2. 'A' speaks truth in 50% cases and 'B' in 60% cases. In what % of cases are they likely	to contradict
each other in stating the same fact?	CO4
a) 1/3 b) ½ c) 3/10 d) 1/5	
3. What is the probability that there should be 53 Sundays in a non-leap year?	CO4
a) 2/7 b) 1/7 c) 53/365 d) 312/365	
4. One card is selected at random from 50 cards numbered 1 to 50. What is the probability	y that the drawn
card ends in digit 2?	CO4
a) 1/10 b) 1/5 c) 3/10 d) None of these	
5. In a rowing race, the odds that A will win is 2 to 3 and the odds that B will win is 1 to	
probability that A or B wins the race?	CO4
a)3/5 b) 1/5 c) 2/5 d) 4/5`	
6. Let A and B be events with P (A) = $3/8$, P (B) = $5/8$ and P (AUB) = $3/4$. Find P(A/B).	CO5
a) ¹ / ₄ b) 2/3 c) 2/4 d)2/5	
7. A coin is tossed until a tail turns up. Let Z be the function representing the required nu	umber of tosses.
Here sample space S={T,HT,HHT,HHHT,HHHHT,}. Z(T)=1, Z(HT)=2,	
What is the range set of Z?	CO5
a) $\{1,2,3,\}$ b) $\{0,1,2,3,\}$ c) $\{1,2,3\}$ d)None of these	
8. Let X be the number of tails obtained on tossing 3 coins.	
S={HHH,HHT,HTH,THH,HTT,THT,TTH,TTT}.X takes values 0,1,2 and 3.If	
F is the distribution function of the random variable X, what is F(2)?	CO5
a) $1/8$ b) $\frac{1}{2}$ c) $7/8$ d)1	
9. A random variable is said to be discrete if its range set is	CO5
a) Finite b) Countably infinite c) Either (a) or (b) d) Neither (a) nor (b)	
10. Two dice are rolled .Let X is the maximum of the numbers that turns up. If	
P(X) represents the probability mass function, what is $P(X=3)$?	CO5
a) 1/36 b) 5/36 c) 3/36 d) 7/36	
SECTION-B	
ANSWER ANY FIVE QUESTIONS	(5X2=10)
11) Define Event ?	CO4
12) Define Sample space?	CO4
13) Write about continuous random variable?	CO4
14) Define probability?	CO4
15) Define Random variable?	CO4
16) Draw a venn diagram for AUB ?	CO4

17) Write the formula of baye'sthereom?

SECTION-C

ANSWER ANY THREE QUESTIONS

18) Four cards are drawn at random from a pack of 52 cards. Find the probability that **CO4**

(i) They are a king, a queen, a jack and an ace.

(ii) Two are kings and two are queens.

(iii) Two are black and two are red.

(iv) There are two cards of hearts and two cards of diamonds.

19) A letter of the English alphabet is chosen at random. Calculate the probability that the letter so chosen (i) is a vowel, (ii) precedes m and is a vowel, (iii) follows m and is a vowel. **CO4**

20) A) In 2002 there will be three candidates for the positions of principal – Mr.Chatterji,

Mr.Ayangarand Dr. Singh – whose chances of getting the appointment are in the proporation 4:2:3 respectively. The probability that Mr. Chatterji if selected would introduce co-education in the college is 0.3. The probabilities of Mr. Ayangar and Dr. Singh doing the same are respectively 0.5 and 0.8. **CO4**

(i) What is probability that there will be co-education in the college in 2003?

(ii) If there is coeducation in the college in 2003, what is the probability that Dr.Singh is the principal?

21) state and prove the bays theorem	CO4
22) State and prove the addition theorem of probability	CO4

SECTION-D

ANSWER ANY ONE QUESTIONS							1*12=12		
23) A random variable X has the following probability function:									CO5
Values of X, x:	0	1	2	3	4	5	6	7	
P (x):	0	k	2k	2k	3k	k^2	$2k^2$	$7k^2+k$	
(i)Find k, (ii) Evaluate	$P(X \ge 0)$	6), an	d P(0	<x<5< td=""><td>), (iii)</td><td>If P(X</td><td>$\leq a) > 1/2$</td><td>2, find the m</td><td>ninimum value of a,</td></x<5<>), (iii)	If P(X	$\leq a) > 1/2$	2, find the m	ninimum value of a,

and (iv)Determine the distribution function of X.

24) A problem in statistics is given to three students A, B and C whose chances of solving it are 1/2, 3/4, and 1/4 respectively.

What is the probability that the problem will be solved if all of them try independently? CO4

3*6=18

Department of Cor Vivekananda Colle Tiruvedakam West Date: 12.04.2019	ge	B.Sc Compute	r Science	III Sessional Test IV Semester Max.Marks: 50 Time : 2hrs				
NUMERICAL METHODS FOR COMPUTER SCIENCE-10AT41								
		Section A		0 1 10				
Answer all		1		0x1=10)				
	llowing method, we approxim		-	-				
a) Picard's method	b) Euler's method c) Ne	ewton's method	d) Range Kutta n	nethod				
2. Jacobi's method i								
· -	thod b) Simultaneous displace		c) Simultaneous me	ethod d) Diagonal method				
	gnificant digits in the number	204.020050 is						
a)5 b) 6 c) 8	d) 9							
-	o of truncation error to that of	round off error	C 1S					
a) 2:1 b) 1:1 c)1:2								
-	of which of the following met		-	A 11 C 4				
a) False position	b) Gauss seidal method	c) Newton-R	(aphson method d	All of these				
6. To perform a Chi	-		, ·	1 1				
,	normal distribution	,	easured on a nomin	ial scale				
·	al number of frequencies	d) All of the		. trian an large tion lands t				
	ination method for solving a s	•		-				
	b) Lower triangular matrix	c) Upper tria	ngular matrix d)	Singular matrix				
8. Match the followi	-							
A. Newton-Raphson	-							
B. Runge-kutta	 Root finding Ordinary Differential Eq. 	votiona						
C. Gauss-seidel	 Ordinary Differential Eq Solution of system of Li 							
D. Simpson's Rule	•	mear Equations						
The correct sequenc a) A2-B3-C4-D1		1-B4-C2-D3						
	ence of Regula-Falsi method i		d) A4-B1-C2-D3	,				
a)1.321 b) 1.6	-							
, ,	lue of the random variable	J14						
-	nost likely value of the random	n variable	h) Is another terr	n for the mean value				
c) Is also called the	•		d) Cannot be gre					
c) is also called the	variance		u) Cannot de gle					

Section B

Answer any FIVE

11. Write strilling's first derivatives formula with u

12. Write procedure of iteration method

13. Differentiate $\cos x - xex$

14. Write formula of newton's Raphson method

15. Write the formaula of Regula falsi method and another name of regula falsi

16. Write strillings's first derivative formula when $\mathbf{x}=\mathbf{x}_0$

17. Write strilling's second derivatives formula

Section C

Answer any THREE

18. Given **y'=-y and y(0)=1**, determine the values of at **x=(0.01)(0.01)(0.04)** by Euler's method

19. Solve the root of equationx3 - 4x + 1 = 0 root lies between 1 and 2 by Regula Falsi method

- **20.** ex 3x = 0 by iteration method
- 21. Using Newton Raphson's method find the root between 0 and 1 of $x^3 = 6x 4$
- 22. Find the real positive root of $3x \cos x 1 = 0$ by Newton's method correct to 6 decimal Places

Section D

Answer any ONE

23. Using Bi-section method find the negative root of $x^3 - 4x + 9 = 0$

24. From the following table estimate $e^{0.644}$ correct to five decimal places using Strling's formula first two derivatives

x	0.61	0.62	0.63	0.64	0.65	0.66	0.67
e ^x	1.840431	1.858928	1.877610	1.896481	1.915541	1.934792	1.954237

(3x6=18)

(1x12=12)

(5x2=10)