	Term End Examination January	- 2015			
Course	: BCA	Nume	rical Code:	0065	
Subject Cod	e : BCA – 301	Nume	rical Code:	0530	
Subject	: Introduction to Computer Network	Total 2	Marks: 70		
Date	: 31/01/2015	Time	: 11	.00 to 02	2.00
Section A				(30)	
	Three of the following: is Network? Explain the history of Networkin	σ			
	uss about the different types of LAN topologies	_			
	e a detailed note on NETBIOS.				
	ass about the various functions of network man	agemer	nt system.		
5. Write	e a detailed note on Communication media.				
Section B				(20)	
	notes on any four. e a note on Ethernet.				
	e a short note on Frame-Relay.				
	uss about TCP protocol operation.				
	e a short note on IP address.				
5. What	is DSL cable? Describe in short.				
6. Discu	ass about network cards.				
Section C					
	iple Choice Questions.			(10)	
ARPA	stands for				
(A)	Advanced Research Projects agency (B)	Acces	s Research I	Projects a	analysi
(C)	Advances Research projects analysis (D)	Acces	s Research p	projects a	igency
	_ topology is a liner LAN architecture.				
(A)	Ring (B) Bus	(C) N	/Iesh	(D)	Star
	s the first fully bit version of windows.			(D)	120
(A)	16 (B) 64 (C	•		(D)	128
(A)	Protocol is used to run on NetBIOS to impleserver message block (B) Net command		windows file	sharing	print s
(C)	Service mailing box (D) Server mailing	g box			
<u></u>	Provides a communication service at an inter-	rmediat	e level betwo	een an ap	plicat
progran	n and the internet protocol.			-	
(A)	IP (B) TCP (C) TP	C	(D)	CPT
	unction of SMTP is				
	II '1' 11 / TO	'P/IP ne	twork		
Maun f (A)	How email is passed between servers on a TC	/1 / 11 IIC			
	Allows network administration to connect to a		work devices	3	
(A)	1	and netv	work devices	S	

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		_and	ser	vers are crucia	al compon	ents of a troul	oleshooting	infrastructure in
		perations.	(D) I	ITTD Imagles	(C) LITA	AT winles	(D) TED	T le correteur
(1	A) TFTP		` ′	ITTP, Implog				T, logsystem
– m	nedia.	is a maj	or commi	inication devi	ce wnich i	s frequently is	s used as a	communication
		cel	(B)	Wire Pair	(C)	Miniwave	(D)	Cabling Parings
_		Gigabit Et	hernet us	es the IEEE 80	02.3 Ether	net media acc	ess control	protocol, the
	EEE 802. (A) 11		frame for (B	mat and minimal (material) 12		naximum IEI 0	EE 802.3 fra (D) 14	
				point that estal		lirectional cor	nmunicatio	n between a
		-		re client progr		Winned	(D)	aablaa
	(A) So	cket	(B) P	airs	(C)	Wirred	(D)	cables
(B)	True or	False.					(1	0)
			ne nronos	al for the proje	ect (Title '	Resource Sh	·	•
1.				ar for the proje		resource one	aring Comp	outer
2		s") in June	,		T21	г.		
				Electrical and		C		
3.			layer dev	vice that conne	ects multip	ole user station	ns, each via	ıa
	dedicate	d cable.						
4.	PVC star	nds for pri	vate virtu	al circuits.				
5.	The main	n charactei	ristics of t	hird generatio	n operatin	g systems is 1	more flexib	ility,
	scalabili	ty and con	tinuous o	peration.				
6.	How to l	nandles sof	ftware co	mputer addres	s is the fur	nction of TCP		
7.	The TCF	header co	ontains 10	mandatory fi	elds and a	n optional ext	ension field	1.
8.	A router	is an elect	ronic dev	ice that interc	onnects tw	o or more co	mputer netv	works,
	and selec	ctively inte	erchanges	packets of da	ta between	them.		
9.	In netwo	ork manage	ement, acc	counting mana	gement is	the set of fun	ctions that	detect,
		_		ons in a teleco				,
10				face controlle				
10.	THE Stan	ids for fict	WOIK IIIC	Tucc controlle	1.			

		Dr. Bab	asaheb A		_	•		sity				
Cour	rse	: BC	Term End E	Examinatio	on Janua	•		'ade: M	65			
	Subject Code : BCA - 302					Numerical Code: 0065 Numerical Code: 0531						
Subj			rating System	ms		Total Marks : 70						
Date		-)2/2015			Tin			0 to 02	2.00		
1 2 3 4	ExplainExplainWrite aCompar	of the follow producer-co various page short note on the Linux and Novell IPX.	nsumer probe replacement DMA. Unix operat	nt algorith	ms.				(30)			
1 2 3 4 5	e short no Write a Explain Explain Explain Explain	short note or internal and various type file properti MKDIR and cat and grep	n process and external frages of schedules. I COPY con	gmentation ers in deta nmand in I	uil.				(20)			
	ion C A) Attemp	ot following	multiple ch	oice quest	tions.				(10)			
1	-	is said to be unning	in(B) Rea		n it curr (C)	ently l Blocl			None o	of the above		
2	memory a	the concept counting to aging	the requirer		-	nto ma		•	the sec (D)	condary Swapping		
3	Which mo	odule gives c ispatcher	ontrol of the	-	he proce	ess sel	_	the short	term			
4		ous allocation ach file must	,	et of contig	guous bl	ocks (on the dis	k				
	(B) Ea	ach file is a l	inked list of	disk bock	S							
	(C) A	ll the pointer	s to scattere	d blocks a	re place	d toge	ether in o	ne locati	on			
	(D) N	one of above	2									
5		d specificati ne character		d as replac vo charact			Three char	acters	(D)	None of above		
5	Which con (A) rd	mmand is us	ed to remove (B) rmd		ry? (C)	rdiı	r	(D)	No	ne of above		
7	How man (A) 3	y layers a no	vell netware (B) 4	-	stack us C) 5	es.		(D) 6				

8	The registration table includes: (A) Device drivers (B) Network protocols (C) File systems (D)	All of the above
9	Which memory allocation policy allocate the largest hole to the process? (A) Best-fit (B) Worst-fit (C) First-fit (D)	None of these
10	Scheduler temporarily removes processes from main memory and	places them on
	secondary memory. (A) Long-term scheduler (B) Short-term scheduler	
	(C) Medium-term scheduler (D) None of these	
	(B) Answer the following question.	(10)
	1. PCB stands for	
	2. What is deadlock?	
	3. What is thrashing?	
	4. What is stalemate?	
	5. What is DRO?	
	6. FAT stands for	
	7. What does COMMAND.COM contain?	
	8. What is kernel?	
	9. List out the components of Linux system.	
	10. What is sequence number in the novell SPX packet?	

Con		Term End Examination January-	2013	
Cou	ırse	: BCA	Numeri	cal Code: 0065
Sub	ject Code	: BCA - 303	Numeri	cal Code: 0532
Subject		: Object Oriented Programming Using	C++ Total M	larks : 70
Dat	e	: 02/02/2015	Time :	11.00 to 02.00
Soci	tion A			(30)
		hree of the following:		(30)
		table program example, explain 'function'.		
	-	C++ stream classes with its hierarchy in detail		
	-	program which will create a file 'Student' to s	store name and	marks of 3
		and then display them. e visibility modes? Write about public and pri	ivate visihility	mode with
	example		ivate visionity	mode with
;	-	constructor and destructor with example.		
Sec	tion B			(20)
Wri	ite short not	tes on any four.		
	-	structure of C++ program with example.		
		C++ program to calculate area and diameter of	of the circle.	
		inline function'. Compare it with macros. over loading operator with one example.		
	-	'this' pointer with example.		
	-	short note on hstream. h header file.		
Sect	tion C			
1	(A) Attemp	t Following.		(10)
		he following function that must contain in all		t?
		artii (B) Systemii (C)	Main()	(D) Program(
ı	` /	• • • • • • • • • • • • • • • • • • • •	Main()	(D) Program(
2	` /	of the following is not a correct variable typ	e in C++ progr	
	Which one (A) Flo	of the following is not a correct variable typ	e in C++ progr C) Int	ams?
	Which one (A) Flo The header (A) Th	of the following is not a correct variable type out (B) Real (C) r file iostream includes.	e in C++ progr C) Int	ams?
	Which one (A) Flo The header (A) Th (B) Th	of the following is not a correct variable type out (B) Real (Correct refile iostream includes. The declarations of the basic standard i/o library	e in C++ progr C) Int	ams?
	Which one (A) Flo The header (A) Th (B) Th (C) Bo	of the following is not a correct variable type out (B) Real (C) refile iostream includes. The declarations of the basic standard i/o library the streams of includes and outputs of programs.	e in C++ progr C) Int	ams?
	Which one (A) Flo The header (A) Th (B) Th (C) Bo (D) No How would	of the following is not a correct variable type out (B) Real (C) refile iostream includes. The declarations of the basic standard i/o library the streams of includes and outputs of program with of these one of these d you read the expression x.y as?	e in C++ progr C) Int	ams? (D) Double
	Which one (A) Flo The header (A) Th (B) Th (C) Bo (D) No How would (A) Mo	of the following is not a correct variable type bat (B) Real (C) refile iostream includes. The declarations of the basic standard i/o library the streams of includes and outputs of program with of these one of these declarations are expression x.y as?	e in C++ progr C) Int y n effect	ams? (D) Double

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6	Which of the following cannot be inherited from the base class? (A) Constructor (B) Friend (C) Both (A) & (B)	(D) None of above					
7	Which type of class has only one unique value for all the objects (A) This (B) Friend (C) Static	of that same class? (D) A & B both					
8	If a class 'X' needs to be derived from a class 'Y', which of the form (A) Class x: public y (B) Class y: public x	ollowing ways is correct?					
	(C) Class x derives public y (D) Class y derives public x	X					
9	has at least 8 bits. (A) int (B) bool (C) short	(D) char					
10	Which operator is having the highest precedence? (A) Postfix (B) Unary (C) Shift	(D) equality					
	(B) Attempt Following.	(10)					
	1. How a reference variable is declared?						
	2. List the escape codes of C++.						
	3. What do you mean by static data member?						
	4. Define destructor. How it is declared?						
	5. State need of inheritance and list its type.						
	6. What is class?						
	7. Give very short description about <fstream> header file.</fstream>						
	8. State use of file buf.						
	9. List type of iterators.						
	10. Define static data.						

	Enrollment	Number :
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C	Term End Examination January-2015	
Course Subject Coo	: BCA de : BCA – 304	Numerical Code: 0065 Numerical Code: 0533
Subject Cot Subject	: System Programming and Introduction to	
3	,	Total Marks : 70
Date	: 03/02/2015	Time : 11.00 to 02.00
Section A		(30)
Answer the	following (any three):	
1. Wha	t is assembler? Explain its types in detail.	
	ain pin connection diagram of 8085 microprocessor.	
-	at is DMA? Explain the features of 8237 programmable	e DMA controller.
4. Expl	ain types of ROM in detail.	
5. Expl	ain arithmetic logical instructions of 8085 instruction	set.
Section B		(20)
Answer the	following (any four)	
a. Write	e a short note on services of operating system.	
	ain bus system architecture of 8085 microprocessor.	
_	ain SSI and MSI in detail.	
-	t is HDD? Explain in detail.	
	the differences between 386 and 486.	
f. Expl	ain macros in detail.	
G. A. G		
Section C	empt following Multiple choice questions.	(10)
		. ,
1 (A)	accepts object program and prepare them for exec Assembler (B) Loader (C) Compiler (cution. (D) None of the above
, ,	· / · · · · · · · · · · · · · · · · · ·	Tyone of the above
2 <u>(A)</u>	is used for arithmetic and logic operations. Accumulator (B) Program counter (C) Stac	k register (D) None of the above
` /	of the following is an interrupt request signal?	R register (B) Trone of the above
(A)	INTA (B) HOLD (C) INTR	(D) None of the above
	of the following changes the program sequence cond	
(A)	Arithmetic instruction (B) Branch instructions	
(C)	Logical Instraction (D) None of the above	
5 System (A)	h bus comprises of Address bus (B) Data bus (C) Conf	trol bus (D) All of the above
6 <u>(A)</u>	is considered as a general reloadable loader. Direct linking loader (B) Absolute loader	
(C)	Compile and Go loader (D) None of the above	
(0)	(2) 110110 01 110 11010	

7	Which of the following stores the masking bits of the interrupt la (A) In-service register (B) Interrupt mask register	ines to be masked?
	(C) Priority resolver (D) None of the above	
8	Which of the following is reusable? (A) CD-ROM (B) CD-R (C) CD-RW	(D) None of the above
9	Which of the following is a non-maskable interrupt? (A) RST5.5 (B) Trap (C) RST6.5	(D) RST7.5
10	Which of the following register pair can be used to store 16 bit of (A) B-D (B) D-E (C) E-L	lata in 8085 microprocessor? (D) None of the above
	(B) Give Answer in One/Two Sentence.	(10)
	1. What is compiler?	(1)
	2. Write the functions of loader.	(2)
	3. Give the full form of LED.	(1)
	4. What is an instruction cycle?	(1)
	5. What is interrupt?	(1)
	6. Give the full form of USB.	(1)
	7. List all addressing schemes.	(2)
	8. What is stack pointer?	(1)

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				erm E	nd Ex	aminatio	on Janu	•					
Cours	se		: BCA					N	umerical (Code	0065		
Subje	Subject Code : BCA - 305					N	umerical (Code	0534	ļ			
Subje	ct		: Relation	on Da	tabase	Manag	ement S	Syste	m (RDBM	S)			
								T	otal Marks	s : 70	\mathbf{C}		
Date			: 04/02/	/2015				T	ime	: 1	1.00 to	o 02	2.00
Sectio		2 64	e 11 •								(4	45)	
	_	3 of the		_	DDI	NAC							
		is types	•										
		in variou					T state		Emploia m	.:41	1	_	
				'DAI	e and	DELEI	E state	ment	. Explain w	im ez	kampi	e.	
		ol statem											
3.	mpiei	menting	uiggeis	•									
Sectio	n B										(2	25)	
Write	short r	notes on	any fou	ır.									
1.	Explai	in SQL											
2.	Use of	f SQL fu	nction										
3.	Packag	ge creati	on										
		unctions											
5.	Creati	on of cu	rsor pac	kages									
6.	Databa	ase trigg	ers										
Sectio	n C												
		se corre	ct answ	er.							()	10)	
		oute grou Primary	-			dentifie que key			table is call Foreign key		(D)	N	Normal key
	, ,	•	•	(2)	0111	40.0 1107	(0)	, -	01018111107		(2)	-	(0111101 110 j
1		n of SQI		Long	1000	(D)	Ctmic	tura	Ouary Land	2110.00			
		Selection	•	_	·	(B)			Query Lang				
	(C)	Sequenti	al Quer	y Lan	guage	(D)	Softv	vare (Query Lang	guage	;		
I		ric data 1				etween		100		4.40			
	(A)	1.0×10^{-1}	124 and	$1.0 \times$	10^{128}	(B)	$1.0 \times$	10-128	3 and $1.0 \times$	10^{148}			
	(C)	1.0×10^{-6}	-138 and	1.0 ×	10^{126}	(D)	1.0 ×	10^{130}	and 1.0×1	10-126			
S	Sub que	ries also	known	as									
		Select qu		(B)	Join o	ueries	(C)	Out	er join quer	ies	(D)	Nε	ested queries
7		-		, ,		-	(0)		or join quor	100	(2)	- 1	osto querros
	-	new rows	into the					(C)	Undoto		(Γ	3)	Change
	` /	Delete		(B)	Ins			(C)	Update		$(\Gamma$	J)	Change
					_		_	-	rator is calle				
	(A) I	Default k	eyboard	l (B	Gl (Gl	obal va	riables	(\mathbf{C})) Attribute	es	(D)	Sec	alar datatype
	` /						0.01	r , ,					
	` /	c unit of	work co	ompri	sing o	ne or m	ore SQ	L stat	tement is ca	ılled			

8	Full form of DDL								
	(A) Data definition language (B) Data document language								
	(C) Data define language (D) Data base define language								
9	Which command controls the organization of rose written by the query (A) BTITLE (B) CLEAR (C) COLUMN (D)	BREAKON							
10	Which command is simply keeps a line and prints the contents of text (A) PROMT text (B) PAUSE text (C) DESC	(D) RAM							
	(B) Give Answer in One/Two Sentence.	(10)							
	1. What is database files?								
	2. What is data dictionary?								
	3. Explain RUN command								
	4. Explain line code								
	5. What is INDEXES?								
	6. Meaning of overloading								
	7. Define database triggers								
	8. What is exception handling?								
	9. Explain foreign keys								
	10. What is relational algebra?								