G - 1028

Total No. of Pages: 2

B.C.S. (Part - III) (Semester - V) Examination, 2013 COMPUTER SCIENCE (Paper - 5.2)

			Visual Basic .N	NET Pr	ogramming (Part - I)	
					e: 55322	
Time	: 3	.00 p	e: Thursday, 18-04-20 o.m. to 5.00 p.m. : 1) All questions are	compulso		40
			2) Figures to the right	ht indicate	e full marks.	
Q1)	M	ultipl	e choice questions:		ing medical part vylament in the fire	[8]
	1)	Wł	nich does the solution ex	plorer not	display?	
		a)	Form Properties	b)	Reference Folder	
		c)	Form File	d)	Assemble File	
	2)	-	converts M	SIL code t	o Native code.	
		a)	CTS	b)	language compiler	
		c)	CLR	d)	FCL 200 A Section of the section of	
	3)	Wh	ich property determines	whether a	control is displayed to the user?	
		a)	Hide	b)	Show	
		c)	Visible	d)	Enabled Manual American	
	4)	Whi	ich function returns the	numbers re	epresented in the string "\$56.7"?	F
-1000		a)	Abs	b)	CDbl	
		c)	Int	d)	Val	
	5)	Whi	ch is not a valid value for	or the Listl	Box SelectionMode Property?	
		a)	None	b)	One	
		c)	MultiSimple	d)	MultiExtended	14
6	5)	The	Key Press event will cap	oture press	ing the key:	
		a)	A	b)	Shift	34
		c)	Control	d)	All of the above	

	7)	Which statements are op	tional in an If	Then statement?	September 1
		a) If	b)	Then	B.C.S. (Par
		c) Else	d)	Both a) and b)	COMP
	8)	In the statement, Dim D	ays (7) as Stri	ng, what part of the array does th	e
		number 7 refer to?			
		a) Size	b)	Datatype	d Dute : Saturday, 20-
		c) Lowerbound	d)		03.00 p.m. to 05.00 p.
Q.2)	Atto	empt any two of the follo	wing:	alingadis ven tuellesing nav 41.5 Islân Î liferi edit at pasignat 14 (a	2 x 8 Sense 1) All Question
	a)	What is assembly? Expl	ain briefly cre	eation of private assembly and sh	ared Z) Figures to
		assembly, their advantage	ges and disad	vantages.	W. Commonwealth
	b)	What is polymorphism?	Explain inhe	ritance based and interface based	
		polymorphism.			(a) When company
	c)	Draw architecture of .ne	et framework	and explain each component in d	etail.
					9 35 min
Q.3)	Wr	ite short note on (any fou	r):		[4x4 0 645====
	a)	Properties in vb.net		dieda bedienis desemble, interpr	W trans
	b)	Constructor in vb.net			Sundanes
	c)	Operator overloading in	vb.net		(0.7)
	d)	Data types in vb.net			y Bachronce
	e)	Explain how to create a	nd place textl	oox control on form through codi	ng in v
					in Benesia
			*	***	W Domesto
				The said	
				Marian de la companya del companya del companya de la companya de	4 Bullo broader
					a) Guided
					e Half-du
					P. Hallert

G _

G-1029

Total No. of Pages: 2

B.C.S. (Part-III) (Sem-V), Examination, 2013 COMPUTER SCIENCE (PAPER-5.3)

		COMPUTER SO	CIEN	NCE (PAPER-5.3)
		Computer	Net	work Part-I
		Sub. C	Code	: 55323
Day and Day	ate	: Saturday, 20-04-2013		Total Marks: 40
The constant The		o.m. to 05.00 p.m.		of myalifared actions: 40
Instruction	ıs:	1) All Questions are compu	lsory	
		2) Figures to the right indic	ate fu	ıll marks.
-BIT Send			125	e statement. [8]
		orrect alternative and rewrite		VI HOUSE CONTRACTOR
1) V	Who			single B channel can be set to
-		speed on a BRI (Basic	Rate	e Interface).
а	a)	28.8 Kbps	b)	1.44 Mbps
	2)	64 Kbps or 50 Kbps	d)	128 Kbps
	c)	TOTAL SECTION AND		A Second Control of the Control of t
2) _		transmission method	is su	titable for five T.V. transmissions.
a	a)	Synchronous	b)	Asynchronous
	c)	Isochronous	d)	None of the above
3) 1	An	uniformed service has		malestalio in Arilyma Efficycle.
	a)	Request and indication	b)	Request, Indication, Response and Confirm
	c)	Request only	d)	Only Indication
4) I	Rac	lio broadcasting is an example	of_	transmission.
	a)	Guided	b)	Simplex
	e)	Half-duplex	d)	Full-duplex
	-	Tank aupton		

Day and I

	5)	A se	et of rules for exchanging d	ata betwe	een communicating machines is called
			explination, 2013		
		a)		b)	
		c)	Protocol	d)	Gateway
	6)	The	job of is to	break the	e bit stream into discrete frames.
		a)	Physical Layer	b)	Data Link Layer
		c)	Session Layer	d)	Transport Layer
	7)	The	performance of communic	cation m	edia depends on
		a)	band width	b)	
		c)	rigidity	d)	All of these
	8)	Set	-up time is not required in	Grant .	nd derth Pitt and merre
		a)	Message switching	b)	Packet switching
		c)	Bucket switching	d)	None
Q2)	At	temp	ot any two of the following.	. DCN	[16]
	b)	W	plain Pulse Code Modulationat are the design issues of	data link	k layer?
	c)	Wł	nat is Multiplexing? Explai	n differe	ent techniques of multiplexing.
	itm	0.5	To a fake followin	Rentes	the limit of the leading the literal [16]
Q3)	a)	Ex	pt any Four of the followin plain factors affecting netv	vork perf	
	b)	Co	empare Circuit and Packet	Switchin	g.
	(d) (e)		escribe Sliding Window Pro hat is the difference between		ectionless and connection-oriented service?
	f)		plain Broadcast channel.		

Seat	
Scat	12.03
BLo	RTRA
No.	

G-1030

[Total No. of Pages: 2

B.C. S. (Part-III) (Semester - V) Examination -2013 COMPUTER SCIENCE (Paper - 5.4)

(Software Engineering Part - I)

Sub. Code: 55324

Day	and l	Date:	: Monday 2	22-4-201	3			Total Marks: 40
Tim	e : 3.0	00 p.r	n. to 5.00 p	.m.				
	Instr	uctio	ons :- i) ii)			THE PERSON NAMED IN	lsory cate full m	arks.
Q1)	Sele	ect co	rrect alterr	native a	nd rewrit e	e entire s	tatement.	(8)
	i)	Sem	ni-detached	d: T dev	y = 2.5 (ef	fort)	mon	th
		a)	0.35	b)	0.38	c)	0.32	d) None of these
	ii)		goal oferent phase		stimation	is to det	ermine tot	al duration of project and
		a)	Cost estin	mation		b)	Schedule	estimation
		c)	Effort est	imation	p hou eizy	d)	Size estir	nation and all and the same and
	iii)	Proj	ect risk fa	ctor is	considere	d in	min panien	
		a)	Waterfall	model		b)	Spiral mo	odel
		c)	Prototype	e model	noo bae a	d)	None	
	iv)	From	m followin	ig	phas	e is not	available i	n software life cycle.
		a)	Coding	b)	Design	c)	Specifica	tions d) Installation
	v)	A C	COCOMO	model	is	(>>>		
		a)	Common	Cost E	stimation	Model		
		b)	Construc	tive Co	st Estimat	ion Mod	lel	
		c)	Complete	e Cost E	Estimation	Model		
		d)	Compres	sive Co	st Estimat	tion Mod	del	

	vi)	Risk	managemen	t acti	vity minimiz	zes im	pact of	financia came	
		a)	Maintenance			b)			
		c)	Risk			d)	Errors		
	vii)	The	DFD is also	knov	wn as	ch	art.		
	16	a)	Relation dia	agram	* 1000 i o	b)	Bubble		
		c)	Sequence			d)	Structured	Date: Monday	
	viii)	Inp	ut to coding	phase	e is	d	ocument.		
		a)	Testing			al c)	Design	d) Data	
02)	A ++	omnt	any two of the	he fol	lowing:				(16)
(8)	a) b)	wh	at is softwar	e con	figuration n guration man	nagen	ement? Which nent (SCM) is a of good SRS of	problems are on the contract of the problems are of the problems a	occurred
	c)	Ex	xplain staffing	glevel	estimation i			Tacheng od T	(16)
Q3) At	temp	t any four of	the IC	mowing.		1 1 1 1		
	a)	W	rite note on v	alida	tion activity	with 1	heir methods.	Managar III	
	b)	E	xplain softwa	re rec	quirement an	alysis	and specificat	ion.	
	c)	N	rite software	engi	neering appr	oach	in detail.	Project risk fa	
	d)	V	Vrite function	poin	t metrics.			a) - Waserland	
	e)	E	xplain config	guratio	on identifica	tion a	nd configuration	on control activi	ty.
	f)	V	What is DFD	Exp	lain differen	t sym	bols to draw D	FD.	

444>>> List falvour CEMGOCO A. . (In

Constructive Cost Issueration, Model

16)

red

(16)

Seat	VZF DI 40-775-IDOIL
No.	

java. lang

java.awt

a)c)

Total No. of Pages :2

B.C.S (Part-III) (Semester - V) Examination, 2013 COMPUTER SCIENCE

..... data type is a signed 16-bit type and rung

DH				-	ming Part - I
Day a	nd Da	te : Tu	esday 23-04-2013		Total Marks:40
Time	: 3.00	p.m to	5.00 p.m.		
Instru	uctions	s: 1)	All questions are compulsory		
BIL		2)	Figures to right indicate full mar	ks.	Q3) Attempt tany Four (4 marks each)
Q1)	Cho	ose C	orrect Alternative (one mark each)	[8] ii) What is garouge collection?
	i)	both	is mechanism that bi	_	ether code and data manipulates and keep e.
		a)	Abstraction	b)	Encapsulation
		c)	Inheritance	d)	None of these
	ii)	JVN	l is a		
		a)	'Interpreter for source code	b)	Interpreter for byte code
		c)	Interpreter for bit code	d)	Interpreter for machine code
	iii)		uses same method name	but dif	ferent arguments and different return types.
		a)	Method overloading	b)	Method overriding
		c)	Constructor overloading	d)	None of these
	iv)		is a not a Keyword of	Java L	anguage
		a)	New	b)	Final
		c)	Finally	d)	None of these
	v)		are syntactically similar nod are declared without any body		ses, but they lack instance variable and their
		a)	Interfaces	b)	Packages
		c)	Both a and b	d)	None of these
	vi)		built in exception is throws v	when try	ving to any number Divisible by Zero.
		a)	Illegal State Exception	b)	Class Cast Exception
		c)	Arithmetic Exception	d)	Null Pointer Exception
	VII)		system package used to pr	ovide f	acilities for the input and output of data

b)

d)

java.util

java.io

PTO.

	viii)	0.01	data type is a	signed 16-bit	type and range from-32768 to 32	767.
	VA.	a)	short	b)	int	
		c)	long	d)	byte	
		c i	LENCE AND			
Q2)	Atte	mpt ar	ny TWO (8 marks each)	ga Program	Paper-55 . Ju	[16]
	i)		nt is Interface? Explain with	example.		
	ii)	Exp	lain different types of excep	tion handling		
	iii)	Exp	lain control statements with	example		
						Interest
Q3)	Atte	mpt a	ny Four (4 marks each)			[16]
	i)	Exp	lain the terms class and obj	ject.		
	ii)	Wha	at is garbage collection?			
	iii)	Exp	lain different features of jav	/a.		
	iv)	Exp	olain the concept of abstract	tion.		
	v)	Exp	olain logical operators avail	able in Java.		
	vi)	Exp	olain parameterized constru	ctor with exam	nple.	
	-61					

-2-

Seat No.

B

Day and

Instra

Seat No.							Total No. of Pages: 2
	B.(C.S.	(Par	t - III) (Sem	ester - V)	Examination, 2013
		CO	MPU	TER SCIENC	CE (Paper	_	5.6)(Elective - II)
				E - Comm	nerce (Pa	rt	t-I)
				Sub. C	Code: 553	2	7. Com brabastic Cit
Day a	and]	Date :	Thurse	lay, 25 - 04 - 2013			Total Marks: 40
			n. to 5.0				
							hy Auction sites norma
Ins	struc	tions :	,	All questions are co			0 128
			2) I	igures to the right	indicate full	m	arks.
Q1)	Sele	ect co	rrect al	ternative and rev	vrite the stat	te	ment: [8]
	a)						f shared key for both encryption
		by t	ransmi	tter and decrypti	on by the re	ec	eiver.
		i)	Symn	netric	ii)		Asymmetric
		iii)	Hashi	ng	iv)		None of these
	b)	Viru	is is _	and a little state of			
		i)	Natur	al threat	ii)		Accidental threat
		iii)	Intent	ional threat	iv)		None of these
	c)	The call		ation of encrypt	ed text or	da	ata into original text or data is
		i)	crypt	ography	ii)		decryption
		iii)	encry	ption	iv)		none of these
	d)	Eve	ry com	puter on the inter	net has its o	W	n unique name called
		i)	IP		ii)		Protocol
		iii)	Doma	nin Name	iv)		None of these

Day and D

Instruct

Q1) Sela

a)

b)

c)

d)

ę)

f)

g)

Time:

i) iii) EDI i) iii) iv) Auc i) iiii) A co	Active Spoofing provides Reduce processing cyc Standard means of con Better Business proces All of these tion sites normally cate B2B C2B computer that provides seed a	nmunication ss gorized in ii) iv)	mod B2C		
iii) EDI i) ii) iii) iv) Auc i) iii) A co	Spoofing provides Reduce processing cyc Standard means of con Better Business proces All of these tion sites normally cate B2B C2B computer that provides s	iv) le time nmunication ss gorized in ii) iv)	Mone of these mode mode B2C C2C		
EDI i) ii) iii) iv) Auc i) iii) A co	Reduce processing eye Standard means of con Better Business proces All of these tion sites normally cate B2B C2B computer that provides s	le time nmunication ss gorized in ii) iv)	moc B2C C2C		
i) ii) iii) iv) Auc i) iii) A co	Reduce processing cyc Standard means of con Better Business proces All of these tion sites normally cate B2B C2B computer that provides s	nmunication ss gorized in ii) iv)	mod B2C	del.	
i) ii) iii) iv) Auc i) iii) A co	Reduce processing cyc Standard means of con Better Business proces All of these tion sites normally cate B2B C2B computer that provides s	nmunication ss gorized in ii) iv)	mod B2C	del.	
iii) iv) Auc i) iii) A co	Standard means of con Better Business proces All of these tion sites normally cate B2B C2B omputer that provides s	nmunication ss gorized in ii) iv)	mod B2C	del.	
iv) Auc i) iii) A co	All of these stion sites normally cate B2B C2B computer that provides s	gorized in jii) iv)	mod B2C C2C	del.	
Auc i) iii) A co	tion sites normally cate B2B C2B omputer that provides s	ii) iv)	B2C C2C	del. (1. remitale (2.	
i) iii) A co	B2B C2B omputer that provides s	ii) iv)	B2C C2C		
i) iii) A co	B2B C2B omputer that provides s	ii) iv)	B2C C2C		
iii) A co	omputer that provides s	/		s on the w	ole in
A co	omputer that provides s	ervices to o	other computer	s on the w	0 10
					ed is
i)	client	ii)	server		
iii)	browser	iv)	host		
empt a	any Two of the following	ıg:	gnida	all (iii)	[16]
Wh	at are the components of	of web arch	itecture ?		
Ex	plain the challenges and	opportunit	ies of e - comr	nerce.	
			equirements of	internet?	
					[16]
				vo d	[1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ommerce.			
		and how this		Every co	
	and the second s	internet.			
) Ex	xplain password briefly.				
W	hat are benefits of intra	net?			
	When Exposed with the E	i) client iii) browser empt any Two of the following What are the components of Explain the challenges and What are the software and tempt any Four of the follow Explain the scope of e - co What is digital signature? What is web? Explain in description of Explain the drawbacks of Explain password briefly.	i) client ii) iii) browser iv) empt any Two of the following: What are the components of web arch Explain the challenges and opportunit What are the software and hardware re ttempt any Four of the following: Explain the scope of e - commerce. What is digital signature? What is web? Explain in detail www. Explain the drawbacks of internet. Explain password briefly.	i) client ii) server iii) browser empt any Two of the following: What are the components of web architecture? Explain the challenges and opportunities of e - common what are the software and hardware requirements of the tempt any Four of the following: Explain the scope of e - commerce. What is digital signature? What is web? Explain in detail www. Explain the drawbacks of internet. Explain password briefly.	ii) client iii) browser iv) host empt any Two of the following: What are the components of web architecture? Explain the challenges and opportunities of e - commerce. What are the software and hardware requirements of internet? Explain the scope of e - commerce. What is digital signature? What is web? Explain in detail www. Explain the drawbacks of internet. Explain password briefly.

G - I033

[16]

[16]

ve

P.LO.

Total No. of Pages: 2

Seat	antening (
No.	

B.C.S. (Part - III) (Sem. - VI) Examination, 2013 COMPUTER SCIENCE (Paper - 6.1)

Case Study of Linux

Sub. Code: 55332

Day and	Date:		Total Marks: 40
Time:			
Instruc	tions: 1) All questions are Compulsory.		on Tuestand and Ton
	2) Figures to the right indicate full man		
	STINE POLICY AND LESS AND ADDRESS OF THE PARTY		
~ /	ect the correct alternative and rewrite		
a)	In Linux user can interact with a system the called the	irougn a	command interpreter
	i) shell	ii)	kernel
	iii) process has a work to the many A		
b)	Linux operating system categories the file		
	i) two		three
	iii) four	iv)	none of these
c)	command is useful for searching th	ne file.	
	i) find	ii)	grep
	iii) both i and ii	iv)	none of these
d)	The best way to save and quit the VI edit	tor is to	use command
	mode command.		
	i) X	ii)	ZZ
	iii) zz	iv)	none of these
e)	statement used to terminate the scr		
	i) end	ii)	break
	iii) exit	iv)	none of these
f)	In Linux, tty command displays the		r terminal.
	i) device name		user - name
	iii) user - id	iv)	none of these
g)	Using my command, file can be i) copied	ii)	moved
	i) copied iii) renamed	iv)	both ii and iii
	III) Tellatileu	10)	Dour II and II

G - 1297

h) Case structure uses the to delimit multiple patterns. i) & iv) none of these

Q2) Attempt any two of the following.

[8 + 8]

- How to list file attributes? Explain basic file attributes with example.
- Explain the cut and paste filters with suitable examples.
- How to setup conditional braching in shell script? Give its different examples.

Q3) Attempt any Four of the following. $[4 \times 4 = 16]$

- What are the different user interfaces provided by Linux operating system? a)
- Explain any two directory management commands. b)
- Write the difference between head and tail filters. c)
- How to make shell script executable? d)
- Write the use of shift command? Give its example.
- Write a shell script to display path of working directory on the screen with suitable title.



Seat No.

Day and Time:

Instru

Q1) Mu a)

b)

c)

d)

e)

f)

[8+8]

fferent

= 16]

ystem?

screen

ole.

Total No. of Pages: 2

Seat No. 1136

B.C.S. (Part - III) (Sem. - VI) Examination, 2013 COMPUTER SCIENCE (Paper - 6.2)

Visual Basic. net Programming (Part - II)
Sub. Code: 55328

			~ abi 000	. 55520		
Day and Time:	Date:					
Instruc	tions: 1) 2)	All ques Figures	tions are compute to the right indi	ulsory.		
Q1) Mul	tiple choi	ce questio	ons.			[0]
a)	ADO. N database	let provi	des the abili	ty to create	and	process in - memory
	i) view	WS			ii)	relations
	iii) tabl				iv)	datasets
b)			ct is created b			
	i) by (calling a (Command obj	ect's Execute	Rea	der.
	ii) by c	calling a (Query object's	Execute Que	ery.	
	iii) by c	calling a n	new()			
	iv) Nor					
c)	In Vb.net of the following	t if we do lowing w	not catch the ill catch it.	exception the	rown	at runtime then
		npiler			ii)	Operating system
/	iii) CLF	3			iv)	Loader
d)	In Vb. ne	et	_block execu	ites although	/	eption occurs or not.
	i) try				ii)	catch
	iii) final	ly			iv)	None of the above
e)]	In Vb. ne	t	creates a abs	tract class.	,	or the doore
i	i) Mus	tinherit			ii)	NotInheritable
i	ii) over	rides			iv)	overridable
f)	abs	stract clas	ss is used for			from a byte stream.
i) Bina	ry Reader			ii)	Binary Writer
i	ii) Strea	m Reade	r		iv)	Buffered Stream

Scatt Nia.

- g) _____namespace has various class that are used for performing various operation with files. System.IO (ii) (IV - 1mp2) (III _ii) System.data System.database iv) System. file iii) is a typesafe function pointer in Vb.net h) function pointer ii) delegate iv) iii) array
- Q2) Attempt any two of the following.

 $[2\times8=16]$

- What is Exception? Explain structured exception handling in vb.net. a)
- What is stream? Write a program to copy content of one file to other b) using stream reader and stream writer classes.
- What is ADO.net? Explain various components of ADO.net architecture.
- Q3) Short notes (Any four)

 $[4 \times 4 = 16]$

- Strings in vb.net
- Date functions b)
- Server explorer c)
- Arrays in vb.net d)
- features of ADO.net e)
- Unstructured exception handling <



16]

ther

ure.

16]

Total No. of Pages: 2

Seat	
No.	

B.C.S. (Part - III) (Sem. - VI) Examination, 2013 COMPUTER NETWORKS PART - II (Paper - 6.3)

			Su	b. Code: 55	329		
Day and	d Date :	VI F 1 21					Total Marks: 40
Time:							
	4	1) A'II.	vuostions s	re compulsory			
Instr	uctions :	2) Figu	res to the	right indicate fu	ll marks.		
			recess tips				
01) Se	elect co	rrect alteri	native and	d rewrite entire	statement.		[8]
a)	In	each	station i	s forced to sen	d only at the	e beg	ginning of the time
	slot						
	i)	Pure AL	OHA				otted ALOHA
	iii)	Both i &	ii				one of these
b)) In t	he	_ method	, after the stat	tion finds th	ne lin	ne idle it sends or
					ome of a ran	idom	number generator.
	Ifth	ne line is b	usy, it trie	es again.		1	1.4
					11)		- persistent
		P - persi		suphical result			one of These
c		m the fol	lowing _	is IEE	EE 802 stan	idarc	ls pertain to token
	ring				::)	TT	EEE 802.5
	i)	IEEE 80			ii)		EEE 802.11
		IEEE 80		-1	iv)		
d			ing	is the com			MTP
	i)	IP			ii)		NMP
	iii)	Ethernet		1 1	iv)	,	
e		om tollow	ing	_ is a characte	shared on a	nots:	vork
	i)	Manage	es file ope	erations and is	Shared on a	no D	C
	ii)	Manage	es file ope	erations and is	d on a notive	ork	
	iii)			nt and is share			
	iv)			nt and is limite		٠.	
			ated to w	indows server	ii)	_ D	Production
	1)	Policy					Edition or version
	iii)	Security	У		iv	, ,	Administration of the second

B.(

Day and D Time:

					3
	g)	Feature of windows server 2003 is			
		i) Active directory			
		ii) File and Print services			
		m) Don't and it			
	h)	iv) None of these	in a		4
	11)	UNIX allows access to remote server by us i) FTP	ii)	HTTD	
		iii) TCP/IP	iv)	TELNET	
		A company of the Cilian Land	10)	ILLIVEI	
Q 2)	Atte	empt any Two of the following.			[16]
	a)	Explain pure and slotted ALOHA.			
	b)	Describe file sharing and printer sharing.			
	c)	Explain various server roles.			
Q 3)	Atte	mpt any Four of the following.			[16]
	a)	What is internet address?			
	b)	Write difference between server based LAN	I and p	peer to peer LA	N.
	c)	What is file server? Explain use of file server	r in org	ganizations.	
	d)	Write any four features of Microsoft window	ws sei	rver 2003.	
	e)	What is mapping of drives?			
	f)	What is IEEE standards 802.3?			
		E CON TIERE IN			
		le the commonly med LAN protocol			

Manages file operations and is limited to one PC

[16]

[16]

Seat No. Total No. of Pages: 2

B.C.S (Part - III) (Semester - VI) Examination, 2013

SOFTWARE ENGINEERING PART - II

(Paper - 6.4)

Sub. Code: 55330

Day	and]	Date	Sub-		Total Marks: 40		
Time	:						
In	struc	ctions	: 1) All questions are com 2) Figures to the right in	pulsory.			
Q 1)	Select correct alternative and rewrite entire statement:						
	a)		of component describ	e external	behavior of that component.		
		i)	Abstraction	ii)	Partition		
		iii)	Modularity	iv)	Design		
	b)		is highest level of coh	esion.			
		i)	Functional	ii)	Logical		
		iii)	Communicational	iv)	Temporal		
				class is calledinheritance.			
		i)	Multi level	ii)	Single		
		iii)	Hybrid.	iv)	Multiple		
	d)		of program is graphica	•			
		i)	UML	ii)	Structure chart		
		iii)	Both (i) & (ii)		None of These		
	e)		can reduce coupling b				
		1)	Behavior	ii)	State		
	_	iii)	Size		Information hiding		
	f)		ception classes should be				
		i)	Private	ii)	Public		
		iii)	Exception	iv)	Protected		
	g)		uence diagram and colla	boration of	diagram together called		
		_	gram.	••>			
		i)	Object	ii)	Action		
	1-1	iii)	Interaction	iv)	All of these		
	h)		is always product meta				
		i) iii)	Total number of module design		Size All of these		

Seat

No.

Day and

[16]

[16]

Seat No.

Total No. of Pages: 2

B.C.S (Part - III) (Semester - VI) Examination, 2013

COMPUTER SCIENCE

Paper - 6.5

Java Programming Part - II Sub. Code: 55331

Day a	and	Date	stain bayant to shorther i		Total Marks: 40
Time	:				
Ins	struc	etions	: 1) All questions are com2) Figures to the right in	pulsory.	a) Esphin denviline () as
Q1)	Ch	oose	Correct Alternative (one	mark each): [08]
	a)		Method is used to obta	ain the thr	ead name.
		i)	getName()	ii)	Name()
		,	getPriority	ii) iv)	None of these
	b)	Ac	ookies is stored on a	and con	ntains state information.
					server
		iii)	Both (i) & (ii)	iv)	None Of these
	c)	The	class is a concrete	e subclass	of Container class.
		i)	Canvas	ii)	Windows
		iii)	Frame	/	Panel
	d)		Method of Servlet inv	oked only	when the servlet is first loaded
		into	memory.		
		i)	service()	ii)	init()
		-	destroy()		None of these
	e)	JDE	BC classes are present in the	he	package.
			java.util		java.awt
		iii)	java.sql	iv)	None of these
	f)	An	class is generated	when a b	outton is pressed, a list item is
		dou	ble clicked, or Menu Item	is selected	d. It is maline short file as
		i)	AdjustmentEvent	ii)	ActionEvent
		iii)	ComponantEvent	iv)	FocusEvent
	g)		Method is used to set a	a thread's	priority.
		i)	firstPriority()	ii)	getPriority()
		iii)	setPriority()		maxPriority()

h) In JDBC, statement object are created using ____ method. createStatement() ii) Statement() executeStatement iv) None of these iii) Q2) Attempt any TWO (8 marks each): [16] a) What is JDBC? Explain types of JDBC driver. b) Explain life cycle Applet. c) What is thread? Explain different methods of thread class. [16] Q3) Attempt any FOUR (4 marks each): a) Explain drawLine () and drawRect () Method of Graphics class. b) Explain doPost() method of servlet with example. Explain concept of synchronization. d) What is session? Explain session tracking methods. Explain methods of MouseListner Interface. Explain difference between JDBC and ODBC. gentle gentlement of the seaf

The William Control of the William Control

PER.

Total No. of Pages: 2

Seat	MAKE SKALIN WILL
No.	

6]

B.C.S. (Part - III) (Sem. - VI) Examination, 2013 **COMPUTER SCIENCE (Paper - 6.6)**

Ecommerce (Part - II) (Elective - II)

		Sub. Code: 55337		
Day ar	nd Da	e: dalle desire in estate		Total Marks: 40
Time :				
Inst	ructio	All questions are compulsory. 2) Figures to the right indicate full mark	s.	
Q1) S	elect	correct alternative and rewrite the statemen	nt.	25) (B) (S)
a)) A	is a paperless, electronic exc	hange	e of routine business
	tra	insactions.		
			ii)	EDI
	-	e - mail	-	All of these
b		is the process by which customer pe	rform	banking transactions
		ectronically without visiting bank.		
	,	e - marketing	,	
		e-banking		
C) In	E - banking system, is one in whi	ich th	e changes are difficult
		nce everything is proprietary.	P Can	red Trail or
	i)	Open model	ii)	
	iii		iv)	
•		a, you can identify the sender of		
	i)	digital signature	ii)	
	iii		iv)	none of these
2		network is an example of television		
	i)	11 8	ii)	Home shopping
		11 0	iv)	Market shopping
		are also called as stored value car	ds.	
)		ii)	Bank card
		Smart cards	iv)	None of these

B.C.S. (1

Day and Du Time: 3.00

	g)	is a prepaid payment system offers money actually resides on the buyers hard di		en system w	here the
		i) Credit card	ii)	Digicash	
		iii) Plastic card	iv)	e - finance	101
	h)	are retailers offering common cowholesale prices.	onsur	ner products	at near
		i) Warehouse clubs	ii)	Warehouse r	
		iii) Website launchers	iv)	Wholesaler	
Q2)	Atte	empt any Two from following:			[16]
	a)	What are the different marketing strategies co	oncer	ned with bank	ing?
	b)	Write different benefits and applications of E	DI?		
	c)	What are consumer legal and business issues	s?		100
Q3)	Atte	empt any Four from following:			[16]
	a)	Explain digital cash.			
	b)	What is online retailing?			
	c)	Explain online customer services and suppo	rt.		
	d)	What are management challenges in online re			
	e)	Explain electronic cheques.			
	f)	What is credit and debit card?		i) Openm	
		consider A A A conductor selection and the A A conductor			

in Wobile Shopping

1303

here the

at near

etailers

ing?

I - 479

Total	No.	of	Pages	:3
-------	-----	----	--------------	----

Seat No.

B.C.S. (Part - III) (Semester-V) Examination, November - 2014 **COMPUTER SCIENCE (Paper -5.3)**

		Sub. Co	de: 5532	
		Wednesday, 12 - 11 - 2014 a. to 5.00 p.m.		Total Marks: 40
astruct	ions :	 All questions are con Figures to the right in 	_	marks.
21) Se	elect co	orrect alternative and rew	rite entire	statement. [8]
a)		is not a transmi	ssion medi	ia for data transmission.
	i)	Microwave	ii)	Convection
	iii)	Optical fiber	iv)	Radio waves
b)		nmunication channels fo business organizations a		asmission used by most people to as.
	i)	Public providers	ii)	Common carries
	iii)	Common providers	iv)	Public carriers
c)	The	e is		orts data in both directions at a
	i)		ii)	Multiplex
	iii)	Simplex Transfer Sent	iv)	Full duplex
d)	RS-	232 has pin co	nnector.	
	i)	32	ii)	8
	iii)	16	iv)	25

	e) ·	The performance of communication media depends on							
Lès		i)	Cost	ii)	Band width				
		iii)			All of these				
	f)	Set-	up time is not required in	2014	TI - The Windows to a second				
		i)	Packet switching	ii)	Bucket switching				
		iii)	Message switching	iv)	None				
	g)	Wh	ich of the following techniques	incr	eases the data rate of a modem				
		i)	Compression	ii)	Error correction				
		iii)	Error detection	iv)	Encryption				
	h)	A n	etwork layer deals with						
		i)	User data	ii)	Packet				
		iii)	Frames	iv)	Bits				
Q2)	Atter	mpt a	any two of the following.	Co	cauc De lie				
	a)		at is switching? Explain circuniques in detail.	uit sv	witching and packet switching				
	b)	Wh	at is congestion control? How	does	it occur?				
	c)	Wh	at is computer network? Expla	in net	twork goals in detail.				

[-479]

nodem?

Q3) Attempt any four of the following.

PREQUE 1-479
[16]

- a) What is routing? Explain it in brief.
- b) Explain satellite communication.
- c) Explain working of modem in detail.
- d) Explain sliding window protocol.
- e) Describe basic services provided by ISDN.
- f) Explain factors affecting network performance.

into Cities consent at tomorphy and possible

witching

[16]

Total No. of Pages: 2

Samatha Ruth Prabhue.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014 COMPUTER SCIENCE

		Case Study of	Linux	x (Paper - 6.1)
		Sub. C	ode:	55332
	. 00 p	: Wednesday, 29 - 10 - 20 .m. to 5.00 p.m. 1) All questions are c		
		2) Figures to right in	ıdicate	full marks.
Q 1) Sel	ect th	ne correct alternative and	rewrit	te: [8]
a)		is a command	interp	reter.
	i)	shell	ii)	kernel
	iii)	cmp	iv)	none of these
b)	Af	file link count one indica	te that	the file haslink.
	i)	one	ii)	no
	iii)	more than one	iv)	none of these
c)		option used in co	ut filte	r to extract specific columns.
	i)	-f marangool lianu an	ii)	-c and good guess of world to
	iii)	mime statements in t-	iv)	-d salida salidak aktivi (a
Ē,	User key.	can switch to the comma	ınd mo	ode of VI always by pressing
	Ď	backspace	ii)	shift
	重	enter	iv)	Esc
•	Alls	bell variables are evalua	ted on	ly in
	•	single quotes	ii)	back quotes
		double quotes	iv)	none of these

No.

B.C

Day and

	-	· · · · · · · · · · · · · · · · · · ·			
	f)	Top most directory of Linux	files	system is called	_ directory.
		i) home	ii)	root	
	201	iii) bin	iv)	none of these	
	g)	Using cp command, file can	be _		* 1
	6)	i) copied	ii)	moved	
		, -	iv)	all of these	
	h)		vides	s input to a script from t	he keyboard.
	11)	i) accept	ii)	read	
		iii) getline	iv)	get- minane like side	
		m) getine	majiki	2) Elgares to right to	
(02)	Δtt	empt any TWO of the following	g:		[8 + 8 = 16]
Q2)		How to move and copy a file	in Li	inux? Write its difference	
	a)	Explain different command r	useful for text		
	b)	management.	nous	Lapiniano 8.21	
	c)	What is use of cut and paste	filter	s? Give its different exam	nples.
	0)	seed to stan - (
03) Att	tempt any FOUR of the followi	ng:	de link count one indica	$[4\times 4=16]$
23,	a)	What are the different function		earried out by kernel?	
	b)	How to change file access pe			
	c)	Write the different options s			
	d)	How to setup loop in a scrip			
		Write the use of break an	d co	ntinue statements supp	orted by shell
	e)	programming.		mugos edi oi derive a 22	
	f)	Write a shell script to displa	ay cui	rrent months calender on	the screen.
	-)		TAT.		

1/2

						I - 187
Seat No.	in .	b lleo el ma	Mo	hite C	Total No.	of Pages: 2
BC	S. (Part	- III) (Semes	ter - VI) I	Examinatio	on, October -	2014
D.C.	3. (1 411		UTER S			
		Case Study	of Linux	(Paper - 6	5.1)	
			. Code : 5			
Day and I	Date : Wed	dnesday, 29 - 10	- 2014		Total M	larks: 40
		5.00 p.m.				
Instructio	ons: 1) 2)	All questions of Figures to rig.				
Q1) Sele	ect the cor	rect alternative	and rewrite		How to more	[8]
a)	filor nach	is a comma	and interpre	eter.		
	i) she	ive its different	ii)	kernel		
	iii) cm	*	iv)			
b)	A file lin	nk count one in	dicate that t	the file has _	link.	
	i) one	d out by kerne				
	iii) mo				ese	
c)					specific colum	
d)	User can	n switch to the c		ode of VI alv	ways by pressing	g
		ckspace	ii)	shift		
		ter	iv)	Esc		
e)	/	ll variables are	evaluated o	nly in		
-,		ngle quotes	ii)	back quot	es	
		ouble quotes	iv)	none of th	iese	

B.C.

					- 101
	Ton most direct	tory of Linux file	s system is calle	ed direc	tory.
f)	1	ii)	. 4		
	i) home	iv) none of these	C.S. (Part - II	
	iii) bin		THEMOS		
g)		mand, file can be	moved		
	i) copied		all of these		
	iii) renamed		des input to a SC	ript from the key	board.
h)	The		4	A Do pares to San	
	i) accept				
	iii) getline	lpulsory:	') 0		
				[8+	8 = 16]
)2) Att	tempt any TWO	of the following			0 10
a)		and convafile it	Linux? Write it	s difference.	2 (1)
A	Evolain diffe	rent command mo	ode commands o	f VI editor useful	for text
b)	magament				
c)	What is use	of cut and paste fi	lters? Give its di	fferent examples.	
0.21 4	ttt anv FOI	IR of the followin	g:	[4 ×	: 4 = 16]
	ttempt any POC	e different function	ns carried out by	kernel?	
a)) What are the	nge file access per	missions in Linu	ıx?	
b) How to char	age file access per	anorted by oren	filter.	
C) Write the di	fferent options su	pported by grop	structure?	
d	l) How to setu	ip loop in a script	using until loop	mante sunnorted	by shell
e		use of break and	continue states	ments supported	(Ъ т
	programmi	ng.	ment months	calender on the	screen.
1	f) Write a she	ell script to display	current monuis	carondor or a	
			(i)		
		ni yin			
		E	900		

87 No.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014 COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

Sub. Code: 55332

		: Wednesday, 29 - 10 m. to 5.00 p.m.	- 2014	Total N	Iark
ine: 3					
<i>Q1</i>) Se	lect the	e correct alternative	and rewrite	Flow to move and copy a	
a)	Mesan	is a comma	nd interpre	ter.	
	i)	shell	ii)	kernel	
	iii)	cmp		none of these	
b)	A fi	le link count one ind	licate that the	he file has link.	
	i)	one	ii)	no	
	iii)	more than one	iv)	none of these	
c)		option used	l in cut filte	er to extract specific column	ns.
	i)			-c and good quasion would	
	iii)	e statements so t-	iv)	e-dayad Borseu sall salis//	
d)		er can switch to the co		ode of VI always by pressing	<u> </u>
	i)	backspace	ii)	shift	
	iii)	enter	iv)	Esc	
e)	All	shell variables are e	valuated on	ly in	
	i)	single quotes	ii)	back quotes	
	iii)	double quotes	iv)	none of these	

			I - 187
Campel Bull	or head?	Eles system is called	directory.
i) iii g) ii ii h)	Using cp command, file can copied ii) renamed The statement produced accept	ii) root iv) none of these	ne keyboard
Q2) Attera)b)c)Q3) Atter	mpt any TWO of the following How to move and copy a file Explain different command management. What is use of cut and paster any FOUR of the following the different functions.	ng: e in Linux? Write its difference mode commands of VI editor e filters? Give its different exam ving: tions carried out by kernel?	[8+8=16] e. useful for the apples.
b)	How to change file access	permissions in Linux?	
c) d) e)	Write the different options How to setup loop in a scr Write the use of break a	ipt using until loop structure? and continue statements supp	death (b
f)	Write a shell script to disp	olay current months calender o	

Total No. of Pages: 2

Seat No. Total No.

187

ory.

oard.

= 16]

r text

= 16]

shell

en.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014

COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

Sub. Code: 55332

Day and	Date	: Wed	lnesday, 29 -	10 - 2014		Total Ma	arks	: 40
Time : 3.	00 p.	m. to	5.00 p.m.					
Instruction	ons:	1)	All question	ns are com	puls	ory.		
		2)	Figures to	right indic	cate j	full marks.		
□ 対 2								
Q1) Sele	ect th	e corr	ect alternati	ve and rev	write	How to move and engy u. f.		[8]
a)	ulasu u	TOTAL	is a com	mand inte	erpre	eter.		
	i)	shel			ii)	kernel		
	iii)	cmp			iv)	none of these		
b)	A fi	le lin	k count one	indicate t	hat t	he file has link.		
	i)	one			ii)	no		
	iii)	mor	e than one		iv)	none of these		
c)			option u	sed in cut	filte	er to extract specific column	S.	
	i)	-f			ii)	-c a mi gool grass of wolff		
	iii)	-t			iv)	-dead to sense the intil		
d)	Use key		switch to the	e comman		ode of VI always by pressing	0	
	i)	bacl	kspace		ii)	shift		
	iii)	ente	er		iv)	Esc		
e)	All	shell	variables ar	e evaluate	ed on	ıly in		
	i)	sing	gle quotes		ii)	back quotes		
1115	iii)	dou	ble quotes		iv)	none of these		

Sec

			27.1	C*1	waten is called	directory.	
f)	Top:	most direc	ctory of Linux		system is called		
	i)	home		ii)	root		
	iii)	bin		iv)	none of these		
g)	Usir	ng cp com	mand, file car	n be _	Land Same		
8/	i)	copied		ii)	moved		
	iii)	renamed		iv)	all of these		
h)	The		statement p	rovide	s input to a script	from the keyboard.	
11)	i)	accept		ii)	read		
	iii)	getline		iv)	get		
	111)	getime		Shorth			
	4	TWO	of the follow	ing:		[8 + 8 = 16]	
	empi	any I wo	and copy a fi	ile in L	inux? Write its diff	ference.	
a)	Но	w to move	and copy a n	d mode	commands of VI	editor useful for text	
b)		plain diffe magement.		u mou	bringing s 24		
	1110	hat is use	of cut and pas	te filte	rs? Give its differen	nt examples.	
c)	VV I	Ilat is use	or out are passed				
		t any EOI	JR of the follo	wing:		$[4\times 4=16$	N.
	ttemp	n any FOC	different fun	ctions	carried out by kern	el?	
a)	W	hat are une	Ele ecces	nermi	ssions in Linux?		
b)) H	ow to char	nge me access	perm	orted by oren filter	(5)	
c)) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	rite the di	fferent option	s supp	orted by grep filter	ture?	
d) H	low to setu	ip loop in a sc	ript us	ing until loop struc	s supported by she	11
e			use of break	and co	ontinue statement	s supported by she	
	þ	rogrammii	ng.	paint lat	wrent months cale	nder on the screen.	
f) V	Write a she			ullent mondis care	i) backs	
				00	inhles are evaluati		
				HH			

	Total No. of Pages: 2
directory of Linux files system is call	Jenni golf Timest

187

огу.

pard.

= 16]

text

= 16]

shell

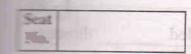
B.C.S. (Part - III) (Semester - VI) Examination, October - 2014 COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

		Sub	. Code: 55332	
		e: Wednesday, 29 - 10	- 2014	Total Marks: 40
		p.m. to 5.00 p.m.		
LUSIFU	ctions :	,	re compulsory. It indicate full marks.	
		2) I iguies to righ		
Q 1) S	Select tl	he correct alternative a		[8]
a	1)	is a comman	nd interpreter.	ib mingel (o
	i)	shell	ii) kernel	
	iii)	cmp	iv) none of these	
b) A	file link count one ind	icate that the file has	link.
	i)	one	ii) no	
	iii)	more than one	iv) none of these	
С)	option used	in cut filter to extract spec	cific columns.
	i)		ii) -c	
	iii)		iv) -d	
d	Us key		mmand mode of VI always	by pressing
	i)	backspace	ii) shift	
	iii)	enter	iv) Esc	
6	All	shell variables are ev	aluated only in	
	i)	single quotes	ii) back quotes	
		double quotes	iv) none of these	

1-1			·11ad	directory.
	i) home iii) bin Using cp comma i) copied iii) renamed The i) accept	iv) and, file can be ii) iv) statement provides ii) iv)	moved all of these sinput to a script fread get	om the keyboard.
Q2) Atta)b)c)	empt any TWO of How to move a Explain differen	of the following : and copy a file in L ent command mode	inux? Write its difference commands of VI e	[8 + 8 = 16] erence.
Q3) A a) b c d	ttempt any FOUL What are the How to chang Write the diff How to setup Write the use	R of the following addifferent functions ge file access permater options support to loop in a script use of break and controls.	carried out by kerned issions in Linux? corted by grep filter sing until loop struction tinue statements current months cales	el? eture? s supported by she

				I - 187			
S. S. W.		CI : Eloa c	vetem is called	directory.			
f) T	Top most directory o						
i	Autor & modification	ii)	none of these				
i	(II) OIII		Hone of these				
g) 1	Using cp command,	file can be _	Case Shudy of				
	i) copied		moved				
	iii) renamed	iv)	all of these	om the keyboard			
h)	Thestate	ement provides	s input to a script fr				
H: chall	i) accept	ii)	read				
	iii) getline	iv)	get				
	28			[8 + 8 = 16]			
O2) Atte	empt any TWO of the	e following:	inux? Write its diffe				
c)			e commands of VI ed				
				$[4\times 4=16]$			
03) Att	tempt any FOUR of	the following:					
a)	What are the diffe	erent functions	carried out by kerne				
b)	How to change file access permissions in Linux?						
c)	White the differen	nt options supp	orted by grep Inter.				
	100	ten loop in a script using until loop structure:					
e)	of break and continue statements supported by						
(6)	1000						
f)	Write a shell scr	ipt to display o	urrent months calen	del on the service			
-							
		tomly in	childres are evaluate				
		\oplus	+ + + + + + + + + + + + + + + + + + +				



187

ory.

pard.

= 16]

text

= 16]

shell

n.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014 COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

		Su	b. Code:	55332			
		: Wednesday, 29 - 10	0 - 2014		Total Ma	rks: 40	
	-	.m. to 5.00 p.m. 1) All questions	ava aominula	1044			
ZZZZZ NICZZ	ons.	2) Figures to rig					
			, J	with the test of t			
Q1) Sel	ect th	e correct alternative	and rewrite			[8]	
a)	Morri		and interpre				
	i)	shell	ii)	kernel			
	iii)	cmp	iv)	none of these			
b)	A fi	ile link count one in	he file has	link.			
	i)	one	ii)	no			
	iii)	more than one	iv)	none of these			
c)		option used in cut filter to extract specific columns					
	i)	-françanta qual la	ii)	-c			
	iii)	c uniterrients su t-s.	iv)	-d			
d)	Use key	er can switch to the co	ommand mo	ode of VI always by	y pressing _	0	
	i)	backspace	ii)	shift			
	iii)	enter	iv)	Esc			
9	All	shell variables are e	valuated on	ly in			
	i)	single quotes	ii)	back quotes			
	(iii	double quotes	:)	mana a C 41			

	f)	Top	most directory of Linux	files s	ystem is called	_ directory.
	.,	i)	home	ii)	root	
		iii)	bin	iv)	none of these	California Selection
	g)		ng cp command, file can	be	GAMOS	
	6)	i)		ii)	moved	
		iii)	renamed	iv)		
	h)	The	4	vides	input to a script from the	he keyboa
	11)	i)	accept	ii)	read	
				iv)	get	
		111)	and the same that a			
72)	Att	empt	any TWO of the followin	g:		[8 + 8 =
22)	a)	Но	w to move and copy a file	in Li	nux? Write its difference	. to the second
	b)	Ex	plain different command	node	commands of VI editor	useful for
	0)	ma	nagement.			
	c)	Wł	nat is use of cut and paste	filters	? Give its different exan	iples.
23)	Att		any FOUR of the followi			[4 × 4 =
	a)		hat are the different function			
	b)	Но	ow to change file access pe	ermis	sions in Linux?	
	c)	W	rite the different options s	uppoi	ted by grep filter.	
	d)		ow to setup loop in a scrip			
	e)		rite the use of break and			
		pro	ogramming.	- had	ront months calender on	the screen.
	f)	W	rite a shell script to displa		rent months carender on	
					Capiterson	

2 / I - 187
Total No. of Pages : 2

- 187 tory.

board.

= 16]

or text

= 16]

shell

en.

Seat No.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014

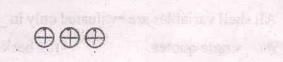
COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

Sub. Code: 55332

	: Wednesday, 29 - 10 - 201	4	Total Marks: 40
	.m. to 5.00 p.m.		
Instructions:	1) All questions are co.		
	2) Figures to right ind	icate.	full marks.
1501 - 8 - 61.			with the extension of the second that
Q1) Select th	e correct alternative and re	ewrite	e: [8]
. a)	is a command in	terpr	LINE SERVICE SERVICE AND ADDRESS OF THE PARTY OF THE PART
i)	shell	ii)	kemel
iii)	emp	iv)	none of these
b) A fi	le link count one indicate	that t	he file has link.
i)	one	ii)	no
	more than one	iv)	none of these
c)	option used in cu	it filte	er to extract specific columns.
	-frameway and the same		
	-t in gan with a similar	iv)	-d and the state of the last o
d) Use key.		nd mo	ode of VI always by pressing
i)	backspace	ii)	shift
· iii)	enter	iv)	Esc
e) All:	shell variables are evaluat	ed on	ly in
i) ·	single quotes	ii)	back quotes
iii)	double quotes	iv)	none of these

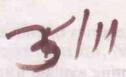
			District Control of the Control of t			1 . 101
	f)	Top	most directory of L	inux files	system is called	directory.
	4	i)	home	ii)	root	
		iii)	bin ·	iv)	none of these	
	g) -	Usir	ng cp command, file	e can be		
*		i)	copied	ii)	moved	
		iii)	renamed	iv)	all of these	
	h)	The	statemer	nt provides	input to a script from	n the keyboard.
		i)	accept	ii)	read	
	4	iii)	getline	iv)	get	Carmina . A Shirthean
		4.		and the same	Mark are neglicing	
Q2)	Atte	mpt a	any TWO of the follo	owing:		[8+8=16]
	a)	How	v to move and copy	a file in Lin	nux? Write its differen	ice.
	b)		lain different comma	and mode c	commands of VI edito	r useful for text
	c)	Wha	at is use of cut and p	aste filters?	Give its different ex-	amples.
Q3)	Atte	mpt a	any FOUR of the fol	lowing:		$[4 \times 4 = 16]$
	a)	Wha	nt are the different fu	nctions car	ried out by kernel?	
	b)		to change file acce	- atro		
	c) .	Writ	e the different optio	ns supporte	ed by grep filter.	
	d)	How	to setup loop in a s	cript using	until loop structure?	
	e)	Writ			nue statements supp	ported by shell
	f)	Writ	e a shell script to dis	splay curre	nt months calender or	n the screen.



and the same

G - 104

Seat No.



Total No. of Pages: 2

B.C.A. (Part - III) (Semester - V) Examination, November - 2014

FACULTY OF COMMERCE

Computer Network (Paper - 5.2)

Sub. Code: 50062

1 1/3

Day and Date : Friday, 7 - 11 - 2014

Total Marks: 80

Time: 3.00 p.m. to 6.00 p.m.

Instructions: 1) Attempt any Four questions from Q.1 to Q.6.

2) Question No. 7 is compulsory.

880.4.

3) Figures to the right indicate full marks.

- Q1) a) Define Computer Network and states goals and applications of computer network. [8]
 - b) Explain types of network in detail.

[8]

Q2) a) Explain wired Transmission Medias in detail.

[8]

b) Explain propagation methods with example.

[8]

- Q3) a) What do you mean by protocol? Explain goals of layered protocol.[8]
 - b) Explain functions of ISO-OSI reference model.

[8]

Q4) Explain various Transmission Medias in detail.

[16]

			G - 104
Q5)	a)	Explain categories of connectivity devices in detail.	[8]
	b)	What is routing explain it in detail.	[8]
0.0		E. L.: Network Components in detail	[8]
<i>Q6</i>)	a)	Explain Network Components in detail.	[O]
	b)	What are the design issues of the layer.	[8]
		ate : Friday, 7 - 11 - 2014. Total Ma	Day and D
		te short notes (Any Two):	
	a)	Asynchronous Communication	Instruction
	b)	Broadcast and point-to-point network	
	c)	IP address and Characteristics of IP address	

Day and D

Time: 3.0



Total No. of Pages: 2 Seat No. B.C.A. (Part - III) (Semester - V) Examination, November - 2014 **SOFTWARE ENGINEERING - II** Sub. Code: 50061 Day and Date: Wednesday, 5-11-2014 Total Marks: 80 Time: 3.00 p.m. to 6.00 p.m. **Instructions:** 1) Solve any 5 questions. Figures to the right indicate full marks 2) (01) Write the answers of following questions in detail. [16] Explain system design and problem partitioning. Differentiate between functional vs. object oriented approach. b) (Q2) Explain various functions of software project management. [16] -03) What is testing? Explain any two software testing techniques in detail. **Q4)** Write the answers of following questions in detail. [16] Explain the criteria for hardware acquisition Explain the cohesion and coupling. b) Distinguish between white box testing and black box testing. [8] **Q5**) a) What is requirement planning? Explain significance of requirement (b) planning [8] Write the answers of following questions in detail. [16] Explain software performance evaluation methods. What is decision tree? Explain with suitable example.

What do you mean by software quality? Explain software quality attributes &

quality control methods used in software projects.

50/40

G-103 [16] 284920

566

Dies and

Q8) Write short notes on. (Any four)

- Software Acquisition a)
- Project Scheduling b)
- Software Project Staffing c)
- d) ISO
- e) Decision Table

New ork Community in denil - and the of may be a sure that a most Salve any & qualiform in the many of the consequence

41216 32381 H2161.

्र मोत्रेक्ट जसा अखेल त्या पद्यतीचे H/W व धार

politicipate out of a land of a land of a land of the land of the

Q7) Discuss features and modules of ORACLE-ERP package.

[1]

Q8) Write Short Notes (Any Two):

Day and D

- Hidden Cost of ERP implementation. a)
- Role of IT in BPR. b)
- Dairy ERP System.



9420456 Angani Seat No.		8	2/ T	8 I - 481 otal No. of Pages : 2
B. C. S. (Part - III) (Semester - V COMPUTER SCII			vember - 2014
	Java Program	ming	- Part - I	
	Sub. Cod	e:5	5325	
Time: 3.00 p.	: Friday, 14- 11 - 2014 m.to 5.00 p.m. 1) All questions are compu	ilsory.	is no alid dictional and alice in the second	Total Marks: 40
	2) Figures to the right indicates a rectal ternative and rewrite is a valid keyword in	the sta		[8]
1	interface	ii)	string	
iii)	Float	iv)	unsigned	
b)	these keyword is used	to defi	ine packages in J	ava.
	pkg	ii)	Pkg	
(iii.	package	iv)	Package	
(°) (°)	is the operand of arithm	netic o	perators in Java.	
	Numeric			
	Characters			
	ement operator, -, decreases			
1) 1			2	
iii) 3		iv)		
e)	_ keyword can be used in			onstruct-

ii)

iv)

this

extends

Siperver

super class.

super

extent

it

iii)

9420 Anga Seat No.			emilated topour	78	2/	78 <u>I − 481</u> Total No. of Pages : 2
B. C	. S. (Part - III	I) (Semester	- V) Exan	nination, No	vember - 2014
B.C.	S·	CO	MPUTER S	CIENCE	(Paper - 5.5)	
		J	ava Progra			
			Sub. C	code : 55	325	
Time: 3	3.00 p.	.m.to 5.00 1) All	questions are co		in place and in the second sec	Total Marks: 40
			rures to the right			101
(21) Sele	ect co		native and rew		ement:	
a)		is a	valid keywor		et / Dans / Versi	
	业	interface		ii)	string	
)	iii)	Float		iv)	unsigned	
b)		these	e keyword is u	ised to defin	ne packages in	Java.
	i)	pkg			Pkg	
1	iii)	package		iv)	Package	
5 c)	-	is th	e operand of a	rithmetic o	perators in Jav	a.
	i	Numeric		ii)	Boolean	
	iii)	Characte	ers	iv)	Both (i) & (ii	
d)	Dec	rement op	perator, -, decr	eases value	of variable by	number.
	1)	1	Transaction	ii)	2	
	iii)	3		iv)	4	

P.T.O.

keyword can be used in subclass to call the constructor of

this

ii)

iv)

e)

super class.

iii)

super

extent

f)	keywords can be used to	preve	ent Method overrung.
	i) static	ii)	constant
	iii) protected	·iv)	final
g)	keywords is used to m	anual	ly throw an exception.
8)	i) try	ii)	finally
	throw	iv)	catch
h)	is a valid declaration of	of a Bo	oolean.
11)	i) boolean $b1 = 1$;	ii)	boolean b2 = 'false';
	boolean b3 = false;	iv)	boolean b4 = 'true'
	······································		
()2) Atte	mpt any two from following:		Lan svinning the territor losses [1
	Explain Java Virtual Machine [JV	M].	
a)			olock.
b)	What is exception? Explain try-c		
c)	Explain overloading and overridi	ng me	thod with example.
<i>Q3)</i> . Atte	mpt any four from following:		parabag the
a)	Explain edition of Java.		
b)	List and explain data types used	in Jav	a.
c)	What is constructor? Explain ty	pes of	constructor.
	How to create	a pac	kage?
4-1	irbage collection		(in
or of	U moage concean	bakiti	
10/10/2	A.		

PIO TO SE

at .	vin sano)etirl	10.8	grand to stellerocks	Total No. of Pages: 2
B.C.	S. (Part - III) (Semes	ter - V)	Examination. N	November - 2014
	E-Commerce Par			
			: 55327	AA (8)
	Date: Saturday, 15 - 11 - 2		. 22321	Total Marks: 40
	ons: 1) All questions	are comp	oulsory.	
			dicate full marks.	to by the follow
Sele	ct correct alternative and	rewrite 1	the statement.	[8]
a)	The buying and selling of	of goods	and services over	ACCURATION AND ADDRESS OF THE PARTY.
				sk me in 177 iu
	i) e-business	ii)	e-commerce	mining of the s
	iii) e-governance	iv)	e-security	
b)	monitors communication done by	and val	idate all incom outer.	ing and outgoing
	i) Intranet	ii)	Internet	
	iii) Firewall	iv)	Virus	
,	In cryptogrand other is the public ke	aphy, two	o keys are created	d, one is secret key
i	i) symmetric	ii)	asymmetric	idtinfeloxial To
i	ii) both	iv)	coding	
) I	n the following,	is	s not a natural thr	eat.
ij) flood	ii)	earth quake	
ii	ii) Tsunami	iv)	virus	
)	model invol			petween businesses.
i)		ii)	B2C	
ii		iv)	C2C	
		/		

	f)	An	IP address cons	ists of strings of	f_	agrent Meth	bits (c	ones and zero
		i)	32	ii)		16		
		iii)	8	iv)		4		n a jaren oran M
	g)	An_ used	is d'only in an org	a private networ anisation for in	rk 1f	software apport	olication w hange.	hich is stric
	1 23 7	i)	internet	ii)		extranet	Saturday	and Date;
		iii)	intranet	iv)		interconnect	ion	r senitared
	h)	In th	ne following do	omain names, _		is a	ın Indian o	domain.
		i)	.in	ii)		.uk		0
		iii)	.com	iv)		.org	Mary You	05
Q2)			any TWO of th	MALE STEAM		Par	Maring	[1
. 1297	a)		at are security i			er?	//	
	b)		lain an applicat			1	hillides	
	c)	Exp	lain the challer	nges and oppor	tu	nities of e-co	mmerce.	
Q3)	Atte	empt a	any FOUR of th	ne following:			1	111
	a)		nt is cryptograp		ie	fly.	tone /	// "
	b)	Wha	at are the benefi	ts of intranet?				(F) [11]
	c)	Expl	lain digital sign	ature.				
	d)	Wha	nt is web? Expla	in in brief.		ie public key		
	e)	Expl	lain the internet	architecture.		of a section (A)		
	f)	Expl	lain the busines	ss to business n	no	odel of e-com	merce.	
			ament threat				e followi	22MS
				<i>બ્લેલ્લ</i>	8	0-1	2 Tool 6	411 5 4.
			6			3-1	8 - 8	(9
			por	0				

40/8

Seat No.	Drug ex	Mo) slid		Total No. of Pages: 2
B.(C.S. (Part - III) (Sem	ester - V)	Examination, November - 2014
		E-Commerce l	Part - I (Pa	per - II) (Elective - II)
			Sub. Code	
Day an	d Dat	e : Saturday, 15 - 1		Total Marks: 40
		o.m. to 5.00 p.m.		
Instruc	tions	: 1) All question		
		2) Figures to	the right inc	licate full marks.
				#
011				
		orrect alternative a		The state of the s
a)	The	e buying and selling	ng of goods	and services over the internet is called
	i)	e-business	ii)	e-commerce
	iii)	e-governance	iv)	e-security
b)	con	monito nmunication done	rs and val	idate all incoming and outgoing outer.
	i)	Intranet	ii)	Internet
	iii)	Firewall	iv)	Virus Virus
c)	In _ and	other is the public	ography, two	keys are created, one is secret key
	i)	symmetric	ii)	asymmetric desired and a second
	iii)	both	iv)	coding weither make to the
d)	In tl	ne following,	i.	s not a natural threat.
	i)	flood	ii)	earth quake
	iii)	Tsunami	iv)	virus
e)		model in	volves elect	ronic transaction between businesses.
	i)	C2B	ii)	B2C
	iii)	B2B	iv)	C2C

I i eng	f)	An I	IP address consists of strin	gs of_		bits (ones and zeros)
						B.C.S. (Part - III)
		iii)		iv)		
	g)	An	is a private no d'only in an organisation	etworl	k software app	olication which is strictly hange.
		i)	internet	ii)	axtronat	Juy and Date: Saturda Time: 3,00 p.m. to 5,00
		iii)	intranet	iv)	interconnect	
	h)		he following domain nan	nes, _	is a	an Indian domain.
		i)	in	ii)	.uk	
		iii)	.com	iv)	.org	
	a)b)c)	Ex	nat are security issues of one plain an applications of in plain the challenges and	ternet		commerce.
03)	Att	empt	t any FOUR of the follow	ing:	nemitors an a done by the	ojavinominos [16]
	a)		hat is cryptography? Expl			
	b)	W	hat are the benefits of intr	anet?		
	c)	Ex	plain digital signature.			c) in
	d)	W	hat is web? Explain in bri	ef.		
	e)	Ex	xplain the internet architec	ture.		i) symmetri
	f)	Ex	xplain the business to bus	iness	model of e-co	ommerce.
			Jump la house a ton a			
				200		