

Reg. No: G.T.N.ARTS COLLEGE(Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) **EVEN SEMESTER [2019-20]**

INTERNAL ASSESSMENT TEST - I

Class	: I BCA (A&B)	Date: 17.02.2020
Course Code	: 17UCAC21	Time: $9 - 10 \text{ AM}$
Course Title	: OOP WITH C++	Max Marks: 30

Course Code Course Title	: 00P WI		Max Marks	
		Section A	[6 x	1 = 6]
	[/	Answer ALL the q	uestions]	
1. A is a	variable that hole	ds a memory addre	ess.	
a) Data memb	er	b) Po	inter	
c) Member fu	nction	d) Ar	ray	
2. In C ++	_ operator is use	ed to allocate mem	nory space.	
a) ::		b) Eqi	uality operators	
c) New		d) De		
		ables referenced u	nder a name.	
	,	c) variable	d) string	
			nember name in order to	tell the
compiler what cla				
a) ++	b) ::	c):	d) <>	
5 function				
a) free	b) delete	c) new	d) malloc	
6. A is es				
a) array	b) pointer	c) default	d) reference	
		Section B	$[2 \times 7 = 1]$	14]
	[Ans	wer ALL the ques		_
7. a) Explain in	detail about fr	riend function.	. [OR]	
			erator with examples.	
			+ with example.	[OR]
		ctor with examp	-	ι - ,
		Section C	[1 x	10 = 10]
	[Ansv	ver ANY ONE qu		
9 Discuss abo		objects in C++ v		

- 10. Explain about the different types of constructor with example programs.

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20]

INTERNAL ASSESSMENT TEST - I

[Answer ALL the questions]

Class	: I BCA (A&B)	Date: 17.02.2020
Course Code	: 17UCAC21	Time: $9 - 10 \text{ AM}$
Course Title	: OOP WITH C++	Max Marks: 30

Section A $[6 \times 1 = 6]$

	L ⁴	mis wer rank the	14001101101
1. A is a	variable that hol	ds a memory addr	ress.
a) Data mem	ber	b) Po	ointer
c) Member fr	unction	d) Aı	rray
2. In C ++	operator is us	ed to allocate men	nory space.
a) ::		b) Eq	uality operators
c) New		d) De	elete
3. A is a	collection of vari	ables referenced u	ınder a name.
a) constant	b) Structure	c) variable	d) string
4. The o	perator links a c	lass name with a r	nember name in order to tell the
compiler what c	lass the member	belongs to.	
a) ++	b) ::	c):	d) <>
5 funct	ion is similar to f	ree() used in C.	
a) free	b) delete	c) new	d) malloc
6. A is 6	essentially an imp	olicit pointer.	
a) array	b) pointer	c) default	d) reference

Section B

 $[2 \times 7 = 14]$

[Answer **ALL** the questions]

- 7. a) Explain in detail about friend function. [OR]
 - b) Write a brief note on scope resolution operator with examples.
- 8. a) Discuss about the allocating arrays in C++ with example. [OR]
 - b) Explain about the destructor with example.

Section C $[1 \times 10 = 10]$

[Answer ANY ONE question]

- 9. Discuss about classes and objects in C++ with example.
- 10. Explain about the different types of constructor with example programs.

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	filiated to Mad			
	(Accredited by			
	EVEN SEN INTERNAL A	MESTER [2018		
Class	: I BCA (A&B)	SSESSMENT	Date: 08.02.	19
Paper Code	: 17UCAS21		Time: 10.30 ·	
Title of the Paper	: Computer Archit	ecture &Logic De	sign Max Marks:	: 30
	Section	A		
Answer A	LL the Questions		6X1=	6
1. Number system	n has ty _l	pe of compleme	nts.	
A. 3	B. 2	C. 5	D. 7	
2. Binary Subtracti	on of $0-1 =$			
A. 0	B. 1	C. 11	D. 10	
3. 15 convert to bina	ary			
A. 1011	B. 1100	C. 1101	D. 1111	
4. The basic circuit	for storing information	on in a digital mach	ine is called	
A. logic design	B. Toggle	C. Flip -flop	D. Register	
5. Explain BCD				
	ded Decimal	B. Binaries Co		
•	Coded Decimal	D. Byte Coded		
	fact about digital cor			
A. Flip –flop	B. Clock		D. logic gates	
	Secti	ion B		
	LL the following qu		2X7=14	
7. a) Write the four		on and subtraction i	n 1's complement syst	tem .
h) Civa a short no	(Or) ote on binary multipli	action and division	.9	
	ister slave flip-flop w			
o. a) Explain are me	(Or)	im unugrum.		
b) Brief account of	on binary counter.			
		ion C		
	NY one of the follow		1X10=10)
	owing representations		D. 1. II. 1	
			Octal to Hexadecimal	al to Octal
			Decimal c) Hexadecimal	al to Octal

10. Explain in detail on BCD Counter?

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	BCA (A&B) UCAS21		Date: 08 .02.19 Time: 10.30-11.30 a
		ture &Logic Desig	
Answer ALL t	Section A	vare ed Bogie Bess	6X1=6
1. Number system has	stype	of complement	S.
A. 3	B. 2	C. 5	D. 7
2. Binary Subtraction of	0-1 =		
A. 0	B. 1	C. 11	D. 10
3. 15 convert to binary			
A. 1011	B. 1100	C. 1101	D. 1111
4. The basic circuit for sto	oring information	in a digital machin	e is called
A. logic design	B. Toggle	C. Flip -flop	D. Register
5. Explain BCD			
A. Bit Loaded D	Decimal Period	B. Binaries Code	d Decimal
C. Binary Coded	l Decimal	D. Byte Coded D	Pecimal
6. A very important fact a	about digital comp	uter is that they are	e
A. Flip –flop	B. Clock	C. logic design	D. logic gates
	Section	ı B	
7. a) Write the four condi	(Or)	and subtraction in	2X7=14 1's complement system .
b) Give a short note on			
8. a) Explain the master s	slave flip-flop with (Or)	diagram?	
b) Brief account on bin	•	-	
A A BIN7	Section		1 V 10 10
Answer ANY of	ne of the followin	g	1X10=10

a) Octal to Binary b) Octal to Decimal c) Octal to Hexadecimal

ii) (A2DE) 16 a) Hexadecimal to binary b) Hexadecimal to Decimal c) Hexadecimal to Octal

9. Convert the following representations

10. Explain in detail on BCD Counter?

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-2020] INTERNAL ASSESSMENT TEST – I

Class	: II BCA	Date: 15.02.2020
Paper Code	: 17UCAC41	Time: 12.00-1.00 pm
Title of the Donor	· IAVA DDOCDAMMING	Moy Morke : 20

-		: II BCA : 17UCAC41 : JAVA PROGRAM	MING	Date: 15.02.20 Time: 12.00-1. Max Marks: 30	
		Section		$[6 \times 1 = 6]$	
			ALL the questions		
1.				o a single unit is	
2		lation b)polymorphis	*	, and the second	
2.	a)Literal	at do not change their v b)character	1 0		
3.	<i>'</i>	,	, 0	lities based on a condition	ic
3.		b) switch c) continu		inties based on a condition	13
4.	<i>'</i>	ional matrix can be rep	<i>'</i>	arrav	
		nensional b) mu			
	c) two dim	,	d) multilevel		
5.	· ·	is an instance of a			
	a) function	b) class c) sub	function d) meth	od	
6.		method cannot	be inherited.		
	a) final	b) instance	c) public	d) global	
		Section B		$[2 \times 7 = 1]$	4]
		[Answer ALL the			
		rt notes on data types in			
,		erators with example in thod overloading in jav			
,	-	tract class in java with	-		
		Section C		$[1 \times 10 = 10]$	
		[Answer ANY ON]	E question]	[1.1.10 10]	

9. Explain the basic concepts of OOPs.

10. Explain classes and objects in java. .

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Class	: II BCA	Date: 15.02.2020
Paper Code	: 17UCAC41	Time: 12.00-1.00 pm

IN GOD WE TRU	31 3	EVEN SEMI				т
Class Paper C Title of	Code the Paper	INTERNAL AS: : II BCA : 17UCAC41 : JAVA PROGRAM		ENI II	ESI —	Date: 15.02.2020 Time: 12.00-1.00 p. Max Marks: 30
		Sectio				$[6 \times 1 = 6]$
1.		[Answer anism that binds the data ation b)polymorphisms		ctions into	a single	
2.		at do not change their				l as
	a)Literal	b)character	c)global	l	d)object	
3.	The statem	nent that select one out	_	le possibil	lities base	ed on a condition is
	a) if else	b) switch c) contin				
4.		ional matrix can be rep			array.	
	*	ensional b) mu				
5.	c) two dim	is an instance of a	d) multi	ilevei		
3.		b) class c) sub		d) moth	od	
6.	*	method cannot			Ju	
0.	a) final	b) instance			d) globa	.1
	,	,	<i>,</i> 1		, 2	
		Section B	augstions]			$[2 \times 7 = 14]$
7. a)	Write a shor	[Answer ALL the et notes on data types in	•	[OR]		
		rators with example in		[OK]		
8. a)	Explain met	hod overloading in jav	a.	[OR]		
b)	Explain abs	tract class in java with	example.			
0 5	1. S. Alex I. S.	Section C [Answer ANY ON]	E question]]		$[1 \times 10 = 10]$
-		and objects in java				
IU. LA	rum crasses	ana objects in java				



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	E	VEN SEMEST	TER [2019)-20]		
		RNAL ASSES	SSMENT 7	TEST – 1	Į .	
Programme :	: II BCA (A&B)]	Date: 18 -02-20
Course Code:						Гіте : 12-1 РМ
Course Title:	N	<u> 1ax Marks : 30</u>				
	SECTI					
	[Answer Al	l the Questio	ons]		62	X1=6
1. A	is a set of 1	ules govern t	he data co	ommuni	cation.	
a) Proto	ocol b) Me	edium c)	sender	d) R	eceiver	•
2. The links co	onnecting the de	vices are ofte	en called _			
a) Netw	ork b) ro	uting	c) host	d) Com	munica	tion channels
3 is th	ne layout of the c	connections for	ormed bet	ween co	mputer	s.
a) Topo	ology b)	protocol	c) Medi	um	d) term	inator
4. OSI model	has layers.					
a) 4	b) 7	c)) 5	d) 6	5	
5. A	_ device is used t	to analog to d	ligital con	version.		
a) Brid	lge b) Sw	vitch c)	Modem	d) ro	outer	
6. An	_ is a thin, flexib	ole medium ca	apable of	guiding	an opti	cal ray.
	xial b) Tw		_	-	_	
	SI	ECTION-B				
	[Answer Al	the Questio	ons]		23	K7=14
7. a) List the	Applications of	Networks and	d explain	it. [OR	2]	

SECTION-C

[Answer Any One Question]

b) Explain the Star topology with advantages.8. a) Write the short notes on stop and wait ARQ.

b) Describe the structure of twisted pair cable.

1X10=10

[OR]

- 9. What is an OSI model? Explain the OSI model layers with functionalities.
- 10. Discuss the Categories of Transmission Modes in detail.



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EVEN SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST. I

	INTERNAL AS	PERSONIEM I	201 – 1				
Programme : II B				Date: 18 -02-20			
Course Code : 17U				Time: 12-1 PM			
Course Title: Dat	Course Title: Data Communication and Computer Networks						
	SECTION-A						
I	6X1=6						
1. A	is a set of rules gove	ern the data cor	nmunicatio	on.			
a) Protocol	b) Medium	c) sender	d) Recei	ver			
2. The links conne	ecting the devices are	often called					
a) Network	b) routing	c) host	d) Comm	nunication channel			
	yout of the connection						
a) Topology	y b) protocol	c) Mediui	n d) te	erminator			
4. OSI model has	layers.						
a) 4	b) 7	c) 5	d) 6				
5. A dev	vice is used to analog	to digital conve	ersion.				
	b) Switch	_		•			
	a thin, flexible mediu			optical ray.			
	b) Twisted Pai		_				
,	,	,	, 1				
	SECTION	-B					
I	Answer All the Que	estions]		2X7=14			
b) Explain the	lications of Networks Star topology with a ort notes on stop and	dvantages.	[OR]				
	e structure of twisted	-	[OK]				
	a= a== a==	- ~					

SECTION-C

[Answer Any One Question]

- 9. What is an OSI model? Explain the OSI model layers with functionalities.
- 10. Discuss the Categories of Transmission Modes in detail.

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	d by NAAC w				e)			
	SEMESTER L ASSESSMI				т			
Class : II BCA (A8		LNI.		o 1 — ate: 19		2020	n	
Paper Code : 17UCAS41	(B)			me: 1			J	
Γitle of the Paper : Software Pro	ject Management			ax Ma				
G								
Se Answer ALL the Questi	ection A					6 V	1=6	
1effective objectives ar		l define	ed.			UA.	1-0	
A. Specific B. measurable				nt				
2. NPD stands for								
A. New Product Developmen	t B.New I	Popular	Dev	elopm	nent			
C. Now Product Developmen		_		_				
3. The formula for calculating pres	ent value	_		_				
A. pv=value in year $t/(1+r)^t$	B. $pv=(1+r)^t/valu$	ue in ye	ar t					
C. pv=value in year $t/(1+r)$	D. pv=(1+r) /valu	ıe in ye	ar t					
4. The software life cycle is also c	ommonly referred	to as		and	softv	vare	pro	cess.
A. SDLC B.DDLC	C. DSLC		D.	.CLSI)			
5 model emphasizes f	ace to face commu	ınicatio	n ove	er wri	tten (docu	ımeı	nt
A. agile B.RAD	C. XP	D. DS	DM					
6. SLOC stands for								
A. Source Liner of code	B. Source Line of	f Code						
C. Socket Line of Code	D. Source Length	of Coo	de					
	Section B							
Answer ALL the followi						2X7	7=14	ļ
7. a) Explain about Management C	ontrol.							
(Or)	Davidal'a Massas							
b)Explain in detail about Projecta) Explain in detail about Extren		ment?						
(Or)	ne i rogramming.							
b)What are the basis for Softwar	e Estimating?							

Section C

Answer ANY one of the following 1X10=10

- 9. Explain about Cost benefit evaluation techniques.
- 10. Discuss about incremental delivery.

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EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - I

Class : II BCA (A&B) Date: 19.02.2020 Paper Code : 17UCAS41 Time: 12-1 pm

Title of the Paper : Software Project Management Max Marks: 30

Section A

Answer ALL the Ouestions 6X1=61.----effective objectives are concrete and well defined. A. Specific B. measurable C. Achievable D. Relevant

2. NPD stands for-----

A. New Product Development **B.New Popular Development** C. Now Product Development D.Now Popular Developer

3. The formula for calculating present value-----

A. pv=value in year $t/(1+r)^t$ B. $pv=(1+r)^t/v$ value in year t C. pv=value in year t/(1+r)D. pv=(1+r) /value in year t

4. The software life cycle is also commonly referred to as ----- and software process.

C. DSLC D.CLSD A. SDLC B.DDLC

5.---- model emphasizes face to face communication over written document

A. agile **B.RAD** C. XP

6. SLOC stands for-----

A. Source Liner of code B. Source Line of Code C. Socket Line of Code D. Source Length of Code

Section B

Answer ALL the following questions

2X7=14

7. a) Explain about Management Control.

(Or)

b)Explain in detail about Project Portfolio Management?

8. a) Explain in detail about Extreme Programming.

b) What are the basis for Software Estimating?

Section C

Answer ANY one of the following

- 9. Explain about Cost benefit evaluation techniques.
- 10. Discuss about incremental delivery.

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EVEN SEMESTE INTERNAL ASSESS	ER [2019-20]	EVEN S INTERNAL
Class : II BCA (A & B)	Date: 17-02-20	Class : II BCA (A d
Paper Code : 17UCAC42 Title of the Paper : RDBMS	Time: 12.00-1.00 pm Max Marks: 30	Paper Code : 17UCAC42 Title of the Paper : RDBMS
The of the ruper . REEDING	TVIAN IVIANIS. 50	
Section A	$[6 \times 1 = 6]$	
[Answer ALL the		[Ans
1 The other name for conceptual schema is		1 The other name for conceptual so
a) Logical level b) external level c) Physical 1		a) Logical level b) external level
2 Who is responsible for ensuring security in a		2 Who is responsible for ensuring
a) Implementor b) Programmer c) DataBase	Administrator d) End-User	a) Implementor b) Programmer
3 Arity means that a) No of tuples b) no of relations c) No of	Overies d) no of fields	3 Arity means that a) No of tuples b) no of relation
4 Primary Key does not allow value.	Queries a) no or neras	4 Primary Key does not allow
a) Integer b) String c) Null d) Decimal		a) Integer b) String c) Null d)
5 To Select a row in relational algebra uses	symbol.	5 To Select a row in relational alge
a) Π b) σ c) ρ d) /	_ 5/110 011	a) Π b) σ c) ρ d) /
6. The join condition is identical to the	Condition.	6. The join condition is identical to
a) Selection b)Projection c) Division	d)Intersection	a) Selection b)Projection c)
Section B	$[2 \times 7 = 14]$	
[Answer ALL the q	uestions]	[Answe
7.a) Discuss the advantages of a DBMS in detail		7.a) Discuss the advantages of a Di
b)What is Entity, Attributes and Relationship	set in E-R Model?.	b)What is Entity, Attributes and
8. a) Explain Integrity Constraints over Relation	ons. [OR]	8. a) Explain Integrity Constraints
b) Explain set operations with example.	-	b) Explain set operations with e
Section C	$[1 \times 10 = 10]$	
[Answer ANY ONE	. ,	Answe
9. Explain the structure of a DBMS.	-	9. Explain the structure of a DBMS
10. Describe Tuple Relational Calculus in detai	1.	10. Describe Tuple Relational Cald



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) **SEMESTER [2019-20]**

ASSESSMENT TEST – I & B) Date: 17-02-20

Paper Code : 17UCAC42 Title of the Paper : RDBMS	Time: 12.00-1.00 pm Max Marks: 30
Section A [Answer ALL the question of the other name for conceptual schema is a) Logical level b) external level c) Physical level d) violation of the other name for conceptual schema is Who is responsible for ensuring security in a DBMS. a) Implementor b) Programmer c) DataBase Administ	ew level
 a) Implementor b) Programmer c) Database Administrations at the programmer c) Database Administrations a) No of tuples b) no of relations c) No of Queries 4 Primary Key does not allow value. a) Integer b) String c) Null d) Decimal 5 To Select a row in relational algebra uses symbol. a) Π b) σ c) ρ d) / 5. The join condition is identical to the Condition. a) Selection b) Projection c) Division d) Intersection 	d) no of fields
Section B [Answer ALL the questions] 7.a) Discuss the advantages of a DBMS in detail. b) What is Entity, Attributes and Relationship set in E-F 8. a) Explain Integrity Constraints over Relations . b) Explain set operations with example.	[OR]

Section C $[1 \times 10 = 10]$

er ANY ONE question]

- 10. Describe Tuple Relational Calculus in detail.



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Programme : I BCA (A&B) Date: 10.08.2020
Course Code : 17UCAC21 Time: 10 to 11 am
Course Title : OOPS WITH C++ Max Marks: 30

		[Ans	Sectio wer AL	n A L the Que	estions]		6X1=6
		_				alledd) derived	
	is a	_		_		consumes inform	mation.
	is the Private		-			d) protected	
4a	is the ins	sertion operat b)>>	or. c)<	d)>			
5. A clas	s that contains) Virtual	atleast one _ b) pure virtu	ual (_ function c) friend	is said t	o be abstract.	
	elf function is a) fstream					d) ios	
		[Ansv	Sectio ver ALI	n B L the follo	wing]		2X7=14
((at is inheritanc OR) blain about C+	-	vith exa	mple.			
(0	w to pass parar OR) plain in detail			onstructors	s. Explai	n with example	e.
-: -: -1			Sectio	n C Y one of th	ne follov	ving]	1X10=10
9. What	t is virtual fund	ction? Explai	n in deta	ail.			

10. Explain in detail about using manipulators to format I/O.

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST -

0 .00am

Class: II BCA (A&B) Course Code: 17UCAC41 Course Title: Java Programming	Date: 10.08.2020 Time: 10.00 -11. Max Marks: 30
Section A [Answer ALL the Questions] 1. The package used for exceptions is a) java.util b) java.file c) java.net d) java.lang	6X1=6
2. The keyword used to specify the exception thrown by a) catch b) throws c) finally d)throw	method
3. The method used to find the length of the string object a) get() b) Sizeof() c) lengthof() d	_
4. The class used to write in a file a) FileStream b) FileInputStream c) BufferedInputStream d) FileBufferedStream	
5. Which method is called internally by Thread start () Male a) execute () b) run() c) launch() d)	Method? main()
6. Which method is called only once during the runtime a) stop () b) paint() c) init () d) destroy()	of the applet?
Section B [Answer ALL the following] 7. a. Discuss on Number and String class in detail. b. Explain the user defined exception with an example	2X7=14 [OR]
8. a. Explain the Disk file handling class.b. Write a short note on thread priorities.	[OR]
Section C [Answer ANY one of the following] 9. Explain checked and unchecked exceptions in detail	1X10=10

- 9. Explain checked and unchecked exceptions in detail.
- 10. Explain the Thread states in detail.

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Class: II BCA (A&B) Course Code: 17UCAC42	Date: 11.08.2020 Time: 10am -11am
Title of the Paper : RDBMS	Max Marks: 30
Section A	
Answer ALL the Questions	6X1=6
1 indicate that the table computed as an answer should not compute as a should not computed as a should not compute a should not co	
a) distinct b) unique c)check d)Not Null	
2. Which of the following is not a set comparison operator?	
a) Some b)Any c)Union d)A	
3. Triggering event should be defined to occur for each modified record	
a)Recursive Trigger b) Statement Level Trigger c)Row level	el Trigger d)Column
Level Trigger	
4 is the ability of a DBMS to manage the various transactions	
a)Information Processing b) Recovery Managemen	Į.
c)Transaction Management d)Concurrency Control	aratam
5. Overlapping I/O and CPU activity reduces the idle time and increase a)Response Time b) Average Time c)Through put d)C	•
6 is recovery algorithm that is designed to work with a stea	
a)ARIES b)RAIES c)ARISE d)AEIRS	i, no force approach
a)ARIES U)RAIES C)ARISE U)ALIRS	
Section B	
Answer ALL the following questions	2X7=14
7. a) Explain about 'Group By' and 'Having' Clauses. (Or)	
b) Explain the roll of Triggers in Active Database with example. ?	
8. a) Discuss Lock Based Concurrency Control. (Or)	
b)Explain Performance of Locking.	
Section C	
Answer ANY one of the following	1X10=10
9. Discuss Aggregate Operators with example. (OR)	

10. Describe ACID Properties in detail.



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INTERNAL ASSESSMENT TEST – II

Programme	: II BCA (A&B)	Date: 12.08.2020
Course Code	: 17UCAC43	Time: 10 to 11am
Course Title	· Data Communication and Computer Networks	May Market 30

FA	Section A	(V1 (
1. ISDN stands for	er ALL the Questions]	6X1=6
	egrated Services Data Network	
c) Integrated Services Design Network d) All	of the above	
2. ATM stands for		
a) Available Transfer Mode	b) Assign Time Mode	
c) Asynchronous Transfer Mode	d) All of the above	
3. ATM standard defines layers.		
a) 3 b) 4 c) 2	d) 1	
4. IPv4 has bit addresses.		
a) 64 b) 32 c) 16	d) 128	
5. The Internetworking protocol is a1	protocol.	
a) Reliable b) connection oriented	c) connection less d) all	
6. UDP stands for		
a) Uniform Data Protocol	b) User Datagram Protocol	
c) Universal Data Protocol	d) All of the above	
Section B		
[Answer ALL the following]	2	X7=14
7. a. Discuss the concept of ISDN and its services	s [OR]	
b. Write the characteristics of ATM.		
8. a. Explain the shortcomings of IPV4.	[OR]	
b. Describe the Transmission control Protocol.		

Section C

[Answer ANY one of the following]

- 9. Compare the ISDN, ATM and Frame Relay in detail.
- 10. Explain the UDP in detail.

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(Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Programme : III BCA (A&B) Date: 10.08.2020

Course Title	: 17UCAC61 : Python Programming	Time: 10 to 11am Max Marks: 30
	Section A	
Program cod a) Client	[Answer ALL the Questions] le making use of a given module is called a b) Docstring c) Interface d)Modular	
	e following is not a valid namespace? amespace b) Public Namespace c) Bui	lt-in Namespace d)Local
package mu	s a folder containing one or more Python modest be called b) main.py c) _packagepy d) init.py	ules. One of the modules in a
4. To read two a) infile.rea	characters from a file object infile, we used(2) b) infile.read() c) infile.readline(2)	
5. The readlines a) str	s() method returns b) a list of lines c) a list of single characters	d) a list of integers
	d to create an object. b) constructor c) user-defined functions	d) in-built functions
	Section B [Answer ALL the following] ith an example about Import Statement. the modes of opening a File?	2X7=14 [OR]
	plain How to define a class? . On the the area and perimeter of the control of t	[OR] of a rectangle using classes and
	Section C	
9. Write a pytho	[Answer ANY one of the following] on program to delete the sentences from a file	1X10=10 s, if the file contains a specific

- 10. Explain in detail with examples about Inheritence.

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST – II

Class: III BCA (A&B)

Course Code: 17UCAC62

Title of the Paper: SOFTWARE TESTING

Date: 11.08.2020

Time: 10am -11am

Max Marks: 30

Title of the Paper : SOFTWARE TESTING Max Marks: 30 Section A **Answer ALL the Questions** 6X1=61. A testing that requires enormous amount of resources to find out the maximum capability of the system to find out the maximum capability of the system parameters is called _____ testing. a) Performance b) Scalability c) Reliability d) Stress 2. Which testing is done to ensure that two or more products can exchange information, use the information, and work closely? a) Performance Testing b) Load Testing c) Interoperability Testing d) Stress Testing 3. The System Test team generally reports to a b) Project Manager c) Author d) Developer a) Manager 4. The Capability of the system or the product in handling multiple transactions is determined by a factor called _ a) Server Output b) Throughput c) Transaction Output d)Capacity Factor is a delay caused by the application, operating system, and by the environment that are calculated separately. a)Response Time b) Average Time c)Through put d) Latency is done to ensure that enhancements or defect fixes made to the software works properly and does not affect the existing functionality. a)Black-Box Testing b) Acceptance Testing c) Regression Testing d) Unit Testing

Section B

Answer ALL the following questions

2X7=14

- 7. a) Explain about Beta Testing. (Or)
- b) Describe some of the guidelines to improve the interoperability.
- 8. a) Discuss about Performance Tuning. (Or)
 - b)Explain the types of Regression Testing.

Section C

Answer ANY one of the following

- 9. Discuss about Acceptance Testing. (OR)
- 10. Explain how to analyze the Performance Test Results.



10. Discuss about HQL.

G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Programme : III BCA (A&B) Date: 12.08.2020
Course Code : 17UCAE61 Time: 2 to 3 pm
Course Title : BIG DATA ANALYTICS Max Marks: 30

Course	Title : BIG DAT	TA ANALYTICS		Max	Marks: 30
		Section A [Answer ALL the	e Questions]		6X1=6
	h of the following A)Key pairs	describes the map fund B)Indexing	ction. C)Relational Dat	a base	D)Clusters.
	is hugely po A)HTML	opularized by web serv B)XML	vices developed utiliz C)Java script	ing SOAP	Principles. D)JSON
3. Whic	h of the following	term is used to denote	the small subsets of	a large file	created by
	A)Name node	B)Data node	C)Blocks	D)N	amespace []
	_has no support for A) NoSQL	r ACID properties of to B) SQL	ransactions. C)NewSQL	D)Al	1
	is a tool used to tra A)sqoop	ansfer data between ha B)hive	ndoop and relational o C)pig latin	latabase D)oo	zie
	also support custo A) C#	om extensions written i B) Java	in C) C	D) C-	++
		Section B [Answer ALL the	e following]		2X7=14
	(Or)	at are the advantages of	of NoSQL?		
b) Di	scuss about Hive d	lata types.			
	(Or)	ted computing challen	ges of Hadoop.		
b) Lis	st the main feature	of MapReduce.			
		Section C [Answer ANY on	e of the following]		1X10=10
9. Writ	e a short note on th	ne Hadoop ecosystem a	and HDFS archiectur	e.	



10. Discuss about HQL.

G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Programme : III BCA (A&B) Date: 12.08.2020
Course Code : 17UCAE61 Time: 2 to 3 pm
Course Title : BIG DATA ANALYTICS Max Marks: 30

Course Title : BIG DATA ANALYTICS					Max Marks: 30	
		Section A [Answer ALL the	e Questions]		6X1=6	
	h of the following A)Key pairs	describes the map fund B)Indexing	ction. C)Relational Dat	a base	D)Clusters	
	is hugely po A)HTML	opularized by web serv B)XML	vices developed utiliz C)Java script	ing SOAP	Principles. D)JSON	
3. Whic	h of the following	term is used to denote	the small subsets of	a large file	created by	
	A)Name node	B)Data node	C)Blocks	D)N	amespace []	
	_has no support for A) NoSQL	r ACID properties of to B) SQL	ransactions. C)NewSQL	D)Al	1	
	is a tool used to tra A)sqoop	ansfer data between ha B)hive	ndoop and relational o C)pig latin	latabase D)oo	zie	
	also support custo A) C#	om extensions written i B) Java	in C) C	D) C-	++	
		Section B [Answer ALL the	e following]		2X7=14	
	(Or)	at are the advantages of	of NoSQL?			
b) Di	scuss about Hive d	lata types.				
	(Or)	ted computing challen	ges of Hadoop.			
b) Lis	st the main feature	of MapReduce.				
		Section C [Answer ANY on	e of the following]		1X10=10	
9. Writ	e a short note on th	ne Hadoop ecosystem a	and HDFS archiectur	e.		



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Class: I BCA (A&B)	Date: 12.08.20
Paper Code: 17UCAS21	Time: 10-11 am
Title of the Paper : Computer Architecture & Logic Design	Max Marks: 30
Section A	
Answer ALL the Questions	6X1=6
 are memories that use flip flop storage for the bits in the memory. a) RAM b) SRAM c) ROM d) SROM Dynamic RAM is used as main memory in a computer system as a) It has a lower cell density b) It needs refreshing circuitry 	
c) Consumes less power d) Has higher speed	
 3 memories have individual cells composed of one or more transistors p a) SRAMS b) SROMS c) SDRAM d) SDROM 4. The arithmetic logic unit and control unit are generally placed together and calle a) interface b) central processing unit c) main memory d) display 	-
5. The control lines are called a) interrupt line b) optical line c) electric line d) small line 6. The major sections of bus is address, data, control have line. a)8,16,4 b)16,8,4 c)4,8,16 d)16,8,8	
Section B	
Answer ALL the following questions	2X7=14
7. a) Explain the concept of Read only memory.	
(Or) b) Give a short note on decoders. 8. a) Explain about interfacing keyboard (Or) b) Brief account on interfacing printer.	
Section C	
Answer ANY one of the following	1X10=10
9. Describe the concept of SRAM and DRAM.	
10. Discuss in detail on interfacing buses.	



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EVEN SEMESTER [2019-20] INTERNAL ASSESSMENT TEST - II

Programme : II BCA (A&B) Date: 12.08.2020 **Course Code** Time: 2 to 3 pm : 17UCAS41 Course Title : Software Project Management Max Marks: 30

Section A

[Answer ALL the Questions]

6X1=6

- 1. Which is the process of dividing a problem into sub problems
 - a) Problem solving b) motivating c) planning d) estimating
- 2. Oldham-Hackman suggested that there are ----- factors which gives the job satisfaction

a) 5 b) 6 c) 3

- 3. Which is called that effort of each participant are added to get the final result
 - a) additive task b) compensatory task c) disjunctive task d) Conjunctive task
- 4. RAG means----a) Red And Green b) Red Amber Green
- c) Ready and Go

- d)Read and Go
- 5. EVA stands for
 - a) Earn value Analysis
- b) Expensive Value Analysis
- c) Earned value Analysis
- d) Earning Value Analysis
- 6. This value is the difference between the actual cost and the earned value
 - a) expensive variance
- b) Schedule Variance c) Budget variance d) cost variance

Section B

[Answer ALL the Questions]

2X7=14

7. a. Explain about objective of activity planning.

[OR]

- b. Discuss about risk assessment in detail.
- 8. a. Write a short notes about Visualizing Progress.

[OR]

b. Explain in detail about Project tracking.

Section C

[Answer ANY one of the following]

- 9. Discuss about PERT and critical path method.
- 10. Write in detail about Software Configuration Management.



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2019-2020]

INTERNAL ASSESSMENT TEST - II

Programme Course Code Course Title : I1I BCA (A&B) : 17UVEV61 : Value Education Date: **12-08-2020** Time: **10-11am**

Marks: 25

Section A

[3*5=15]

[Answer Any THREE questions]

- 1. What do you mean by Value Education? And explain its objectives.
- 2. Explain the need for Religious Dialogue and Communal Harmony.
- 3. Demonstrate Secularism and Socialism.
- 4. Define Professional Values and its accountability.
- 5. Write about the following Role Models: a] Swamy Vivekanda b]Mother Teresa

Section B

[1*10=10]

[Answer **Any ONE** question]

- 6. Write about Karma Yoga in Hinduism in detail.
- 7. Describe the Role of Family and explain in detail.