	COMMON HALF YEARLY EX	tard - 11 Reg. No	
		OMPUTER SCIENCE	
	Souther and the value?		Maximum Marks: 70
	lowed: 3.00 Hours	a torong of hulmet	ng Tfthere is any
nstruc	tions: 1. Check the question pa lack of fairness, info 2. Use Blue or Black ink diagrams.	to write and underline	Innieulacely.
	P	ART-I	c) value function
Note:	i) Answer all the questions.	Designed and bounded	15×1=15
tote.	ii) Choose the most appropri	ate answer from the give	en four alternatives
	and write the option code	and the corresponding	answer.
91	) Which is the main component u	sed in First Generation?	di officia
-	a) Microprocessor	b) Transistors	a) Cookies
	a) Macuum tubes	d) Integrated cir	cuits
2	) Which is a collection of wires	used for communication	between the internal
	components of a computer?	be diamitizatio anoita	Note: Answer any 6 que
	a) Program counter	b) BUS	Notes Write State wa
	c) Word size	d) Central Proces	ssing Unit
3	) Which one of the following is s	ystem software?	187 What is Fairt Tal
	a) MS-Word	b) VLC player	ton Hotz is Stirly det
	c) MS-Excel	d) Language Pro	cessor
4	) Which Log Off option, puts the	e computer into a low-pow	ver mode mat retains
	all running programs and open	windows in computer mer	nory for a super-quick
	restart?	sien Hat bis notion the	d) Postart (8
.) ·	a) Sleep b) Lock	c) Log Off	d) Restart
5	5) Which are named boxes for sto	oring data?	d) Functions
	a) Control Flow b) Algorith	m c) Variables	
. • €	5) Suppose u, $v = 5$ , 10, before t	the assignment. What are	
1	after the sequence of assignment	tents ( nonsal property	Notes) all What is words
	u : = v+10	in the second second	TEALER WILLER
×	v : = u+10 a) u, v = 10, 10 b) u, v = 3	$30 \ 10 \ c) u v = 20.10$	d) u, v = 20, 30
	a) u, $v = 10, 10$ b) u, $v = .$ 7) Which is the key to construct	and to reason about itera	
1	a) Loop invariant b) Composition	sition c) Base Case	d) Decomposition
	<ul><li>a) Loop invariant b) composition</li><li>8) Which of the following operator</li></ul>		
		c) < >	30) Write about (brain)
	a) << b) >> 9) How many times the following	and a second of the second of	31) List (the character
	for (int i=2; i<=10; i+=2)	land of assertions.	32) Write note dir FSC
	the second se	to be kept 6 (and whitever	33) List the reit (blons
	b) 4	al on the strend ground group	enolistineen ein bezu vuo

101		2	XI - Computer Science	
10)	Which is a multiway branch statem		d) while	
111	a) continue b) switch	c) break	d) while	
(11)	cin>>n[3]; to which element does a) 3 b) 2	c) 5		
121			d) 4	
12)	Which of the following is a user der a) char b) float		d) int	
13)	The variable declared inside the c		d) int	
12)	functions are known as		data members and the	
	a) data functions	b) member fun	ctions	
	c) value functions	d) private functions		
-14)	Which one of the following C++ op	the second se		
132	a) + b) ?:	c) ::	d) sizeof	
15)	A computer network security that m	N*2666666665555555		
10)	traffic is		incoming and outgoing	
	a) Cookies b) Worms	c) Firewall	d) Virus	
		-,	and a multiple via	
14.50	PART	-II	2) AW near 15, 5, collocar	
te: A	Answer any 6 questions. Question	No. 24 is compuls	sory: 6×2=12	
	Write note on warm booting.			
17)	Write short note on HDMI.	T.	Parkunan	
18)	What is Fault Tolerance?	S UP WAS A DUDA		
19)	Write a short note on recursion.	P	GI Asst. in CS;	
20)	What is the use of setw( ) format n	nanipulator?	Parskunay GI Asst. In CS, IHSS, Chengam.	
21)	Write note on conditional operator i	n C++. 「	HSS, Merganin	
22)	What are the main functions of the	e constructor?		
	What is meant by encryption and d		- neel2/re	
24)	What is meant by nested structure	? Give an example.		
		- mainopiA (a		
1 State	PART	TTT	T + V arisaoonie (5	
te: A	Inswer any six questions. Question	on No. 33 is compu	Ilsory: 6×3=18	
25)	a) What is wordlength?		E GIAVERU	
	b) What is bit?		Othurny	
26)	Write note on various types of port	s in computer.		
	List the functions of Windows Oper	ating System.	77 Juliachus therkey to	
27)	Write about notations for algorithm	S. honoomoo (d		
27) 28)	What is string literal? Give an evam	ple. a zmotenega por	8)."Which of the follow	
27) 28) 29)	while is sering neeral. Give an exam	1 from ation a with and	ample.	
27) 28) 29) 30)	Write about default argument in C+			
27) 28) 29) 30) 31)	Write about default argument in C+ List the characteristics of destruct			
27) 28) 29) 30) 31) 32)	Write about default argument in C+ List the characteristics of destruct	ors. cool paiwofic) a	<ol> <li>Show many times in fair (inf i= 2) i&lt; = 10;</li> </ol>	

			3		(I - Computer So	lence
			PART - IV	>20月1日日1月23	EVI	5=25
te: Ar	nswer al	l questions.	A AND A AND			5-25
34)	a) Write	in detail about	the characteristic (OR)	s of microproc	essor.	
( the	b) i) W	/hat is algorithm	?	annig and ag	diale per	thme
in Al			ing principles and	techniques for	designing algori	unns.
	. (/	A) Specification	(B) Abs			
			(D) Dec	omposition	Debug the big	
35)	a) i) W	What is type conv	version in C++?		•	
	ii) E	xplain types of c	conversions with s	uitable examp	<b>c.</b>	
			(OR)	ad if statement	c in C++ with su	Intax
	and	example.	else and nest	and the state	S III CTT WIGES	- TRUAN
36)	a) Write	e a C++ program	n to find sum of th	e series:	idsolueu dajan.	
	S = 1	$1 + x + x^2 + \dots +$	-x <sup>n</sup> (OR)		a an armi form	nd
			the following C+-	+ functions wit	n general torm a	
	suita	able example.		(111) ata	iduob	
	/	alnum()	(ii) isdigit()	(iii) str	-PY()	
	(iv) :	strcmp()	(v) strcat()	ted programa	ing with its adva	ntages
37)			ures of object orie	ited programmi		in got
		disadvantages.	(OR)	program		
	b) Writ	e the output for	the following C++ for age as 23, hei	abt as 161 5 a	d weight as 45	
			for age as 23, her	gilt 83 101.5 d		
		clude <iostream></iostream>	d.			Since
		ig namespace st	u,			
		ct student	and the second second		Volb/Box?risetW	
	{	int age;	and the second sec			
		float height, wei	iaht:		1	
	}ob		igne,	it and	animal 1	
		main()				1 ( ) ·
	. 5	indiri()			1.190414.00100	
	· ·	cout<<"\n	Enter the age:";			•
		cin>>obj.a		- and the state	Ansi Anton	
			Enter the height:"	T S. A STREEN	dens di	
		cin>>obj.h		() maismai	laura dr	
*			Enter the weight:	";	100	
		cin>>obj.v				
			Your details:";			
			Age:"< <obj.age;< td=""><td></td><td></td><td></td></obj.age;<>			
					· · · · · · · · · · · · · · · · · · ·	

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                                                                                                     4
                                            cout<<"\nHeight:"<<obj.height;
                                            cout<<"\tWeight:"<<obj.weight;
                                            return 0; Other to detail about the characteristics of mucio; 0 write
                    }
38) a) i) Explain the types of inheritance.
    ii) What are the points to be observed while defining the derived class?
                                                                             (OR) (8)
           b) Debug the given C++ program to get the following output:
                                                                                                      35) a) 1) What is type conversion in C++7
                    Output
                    The width of the box is :20
                    The length of the box is :67
                    Program ni stnemeste i betsen one est
                     #include<stream>
                     using namespace std: the add to much built of meroora
                     classes Box
            b) Write in detail about the following C++ functions with general form and
                                             double width;
                                             public::
                                                                double length;
                                            int printWidth() Participation of the second of the second
                                                                cout<<"\nThe width of the box is:"<<width;
                    cout<<"\nThe length of the box is:"<<length;
                                              3
                                             void setWidth(double w, l);
                     }
                     void Box?:setWidth(double w, double l)
                      {
                                              width=w;
                                              length=l;
                      }.
                     int MAIN()
                      {
                                              Box obj;
                                              b.setWidth(67.0, 20.0); here a long to be a 
                                              b.print Width();
                                              exit 0;
                                                                                            #######do>>\:eqAq/">>Judo
```