## T COMMON HALF YEARLY EXAMINATION - 2025

			Standard -	11 Reg. No.	
Time	Allo	wed:3.00 Hours	COMPUTER S	CIENCE A	laximum Marks:70
			Part-I		
c. (	Choc	se the correct a	nswer:	15 10 19	15×1=15
	1)	Name the volatile	memory.		
		a) ROM	b) PROM	c) RAM	d) EPROM
	2)	2^70 is referred	as since the same of	and anchymap's	in a source of
		a) Kilo	b) Tera	c) Peta	d) Zetta
	3)	What is the smal	lest size of data repr	esented in a CD?	Enrique Const.
		a) blocks	b) sectors	c) pits	d) tracks
	4)	Cut option belon	gs to which menu?	real rates succeeds	
		a) file			d) format
	5)	If i = 5 before th	e assignment i := i -	2 after the assignn	nent, the value of
		lis	ioni je se se je je		
		a) 5	新的是否是这一种的。 第	(c) 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	6)		owing properties is to		ment at line 3?
			tovo si clar concert.		
				a separation of a senior of the	
		3?	<b>53174-60</b>		A) 4)
	71	A STATE OF THE PARTY OF THE PAR	b) $i + j < 0$		/ d) i = j *
	1)	a) 5	in a recursive solved b) 4	c) 3	d) 2
	81		ginal name given to		
	,	a) CPP	girial name given to	b) Advanced C	
		c) C with Classe	<b>S</b>		
	9)	The multi way b			
		a) if		c) if else	d) for
	10)	Which one of th	e following calls the		
		with arguments?			The second second
		a) display ()	eritationi e tita ence	b) display (x, y)	
		c) $x = display(x)$	, y)	d) $x = display()$	
	11)	By default, a str	ing ends with which	character?	
		a) \0	b) \t	c) \n	d) \b
	12)	The members of	structure are by del	ault	usar william
				c) public	d) global
	13)	Which of the foll	owing reduces the n		
		a) Operator over	loading	b) Operations ov	
		c) Function over	loading	d) Member overlo	pading

	14)	2 XI - COMPUTER SCIENCE
	14)	If more than one base class in defining the derived class, then it can be
	-	given separated by
		a); b): c), d).
	15)	Distributing unwanted e-mail to others is called
1		a) scam b) spam c) fraud d) spoofing
		Part-II
L.	Ans	wer any 6 questions. Question no.24 is compulsory: 6×2=12
	16)	What is the function of memory?
	17)	What are the parameters which influence the characteristics of a
		microprocessor?
	18)	What is known as Multitasking?
	19)	How do we refine a statement?
		Write the following real constants into the exponent form:
		i) 23.197 ii) 7.214 iii) 0.00005 iv) 0.319
	21)	What is importance of void data type?
*		How is modular programming different from procedural programming paradigm?
	23)	Does the return type of a function help in overloading a function?
	24)	What are the sub options under shutdown option?
	1-1/-	Part-III
П.	Ans	wer any 6 questions. Question no 22 is seemed
11	25)	Perform the following binary computations:  6×3=18
		a) $(10)_{10} + (15)_{10}$
		b) $(-12)_{10} + (5)_{10}$
	26)	List out the key features of Operating system.
		What is the form and meaning of assignment statement?
		Design an iterative algorithm to compute an.
	29)	Write a short program to print following series: 1 4 7 10 40
	30)	What is called anonymous structure? Give an example.
		Write a short note on the different types of constructors.
	32)	What is the difference between polymorphism and inheritance though are
		used for reusability of code?
	33)	Write the output of the following program.
	r v	# Include <iostream></iostream>
		using namespace std;
		int main ()

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int I, j;

```
for (i = 0, j = 6; i < j; i++, j--)
                                                    XI - COMPUTER SCIENCE
Cout<<"\n The value of i is "<< i <<" The value of j is "<< j;
return 0;
                                                    College to sty
```

## IV. Answer in detail:

Part-IV

5×5=25

34) a) Discuss the various generations of computers.

(OR)

b) Explain the characteristics of a microprocessor.

35) a) Explain the process management algorithms in Operating System.

(OR)

- b) Decanting problem. You are given three bottles of capacities 5, 8 and 3 litres. The 8L bottle is filled with oil, while the other two are empty. Divide the oil in 8L bottle into two equal quantities. Represent the state of the process by appropriate variables. What are the initial and final states of the process? Model the decanting of oil from one bottle to another by assignment. Write a sequence of assignments to achieve the final state.
- 36) a) What are the types of errors?

(OR)

- b) Explain scope of variable with example.
- 37) a) Write a note on the basic concepts that supports OOPs.
- Spherock of tonet morning (OR)
- What are the rules for operator overloading? 38) a) What are the various crimes happening using computer?
- (OR)
  - Consider the following c++ code and answer the questions.
  - class Personal

int Class, Rno; char Section; protected:

char Name [20];

public: personal(); void pentry();

void Pdisplay();

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CLERKS

## XI - COMPUTER SCIENCE

```
class Marks : private Personal
                                                                         C. S. S. ALL STOLLEY SHIT
                                                                        float M[5];
                                                                         protected:
                                                                        char Grade[5];
                                                                         public:
                                                                                                                                                                                                      AT - 1000
                                                                         Marks();
                                                                                                                                                                                                                                                                                                                              that he removed wi
                                                                         void Mentry(): (Sections to Encluse and Delicines and Deli
                                                                         void Mdisplay();
                                                                                                                                                                                                          b) Explain the content of the object of a mirrogardensia.
                                 class Result: public Marks a regarded 2 actions and marchael (6 | 36
                                                                                                                                                                                                   (A)
float Total, Agg, as the second of the secon
    char FinalGrade, Commence [20];
Result();
void Realculate(); and set access to accompany in agreet
 void Rdisplay();
                                                                            }:
                                                                                                                                                                                                                                                                                          i ustaw is allowiffer.
                                                                           1. Which type of Inheritance is shown in the program?
```

- 2. Specify the visibility mode of base classes.
- 3. Write the names of data members accessible from the object of class Result.
- 4. Write the names of all member functions accessible from the object of class Result.
- 5. Write the names of all members accessible from member functions of class Result. and the same such that the same about a second such that the same of the same black it.

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