T

a) private

COMMON HALF YEARLY EXAMI

Time: 3.00 hrs.		Standard - XI COMPUTER SCIENCE		Reg.No.		
				Marks:70		
			T-1	Marks:/U		
E,	Choose the corn					
1.		following is the mair	memory?	15×1=15		
	a) ROM	b) RAM	c) Flash drive			
2.	The range of ASC	II values for lower of	case alphabets is f	d) Hard disk		
	a) 97 to 122	b) 65 to 90	c) 0 and 127	rom		
3.	a) 97 to 122 b) 65 to 90 c) 0 and 127 d) 1 to 26 How many bits constitute a word?					
	a) 8		at determined			
4.	Which key brings the focus on the first menu of the menu bar?					
	a) F1	b) F2				
5.	Ensuring the inpu	it -output relation is	c) F9	d) F10		
	a) the responsibility of the algorithm and the right of the user.					
	b) the responsibility of the user and the right of the algorithm.					
	c) the responsibility of the algorithm but not the right of the user.					
	d) the responsibil	ity of both the user	and the algorithm	or the user.		
6.	Suppose u, V = 5	. 10 before the ass	signment What a	e the values of U and V		
	after the sequence	ce of assignments?	igiment .wildt di	e the values of U and V		
	1. u; = v					
			C) 11 V = E 10	d) u, v = 10, 10		
7.	Who coined the of	hrase " structured p	$C_1 u, v = 5, 10$	d) $u_i v = 10, 10$		
B	Which of the follow	wing operator is ins	c) bjarne Strou	jarne Stroustrup d) Blaise Pascal		
٥.	a)'>>	b) <<				
			c) <>	d) ^^		
				in in iteration is called a		
	a) condition	b) loop	c) statement	, , , , , , , , , , , , , , , , , , ,		
0.	When accessing a	structure member,	the identifier to the	right of the dot operate		
	is the name of					
a) structure variable			b) structure tag			
c) structure member			d) structure function			
1.	which of the follow	wing is the most im	portant advantag	e of Inheritance?		
	a) ta hiding	b) code reusabilit	y c) code modific	ation d) accessibility		
2.		lowing access sp	ecifier protects	data from inadverten		

c) public

a) private b) protected c) public d) global Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

d) global

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13,	The definition of	the overloaded	operator is given	using the keyword
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- a) class
- b) size of c) operator
- d) overload
- 14. Which of the following derives a class student from the base class school?
 - a) school:student

- b) class student : public school
- c) student : public school
- d) class school: public student
- 15. Which of the following is not a malicious program on computer systems?
 - a) worms
- b) Trojans
- c) spyware
- d) cookies

PART-II

II. Answer any 6 questions. Question No.24 is compulsory.

 $6 \times 2 = 12$

- 16. Write the functions of control unit.
- 17. What are derived gates?
- 18. Draw a flowchart for conditional statement.
- 19. Define a loop invarriant.
- 20. Assume n = 10; what will be result of n++ and --n;?
- 21. Write a note on Local Scope.
- 22. Write down the importance of destructor.
- 23. What is function overloading?
- 24. Convert (9324)₁₀ to octal.

46340 (10)

PART-III

III. Answer any 6 questions. Question No.33 is compulsory.

6x3=18

- 25. Differentiate PROM and EPROM.
- 26. Write the two ways to create a new folder.
- 27. What is abstraction?
- 28. Write the syntax and purpose of switch statement.
- 29. Write note an Array of strings.
- 30. List some of the features of modular programming.
- 31. What is the difference between polymorphism and inheritance though are used for reusability of code?
- 32. Write about encryption and decryption.
- 33. Write the output of the following program.

#include<iostream>

using namespace std;

class A

{protected:

int x;

public:

void show()

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```
{court<<"\x="<<x<<enul;}
 {cout<<endl<<"I am class A "<<endl;}
 ~A()
 {cout<<endl<<"Bye";}};
 class B : public A
 {protected:
 int y:
 public:
 B(int x1, inty1)
 {x = x1;}
 y = y1; 
 B()
 {cout<<endl<<" I am class B "<<endl;}
 ~B()
 {cout<<end!<<"Bye";}
 void show ()
{cout <<"x = "<<x<<endl;
cout<<"y = "<<y<<endl;}};
int main()
{A objA;
B objB(30, 20);
objB.show();
return 0;}
```

PART-IV

IV. Answer in detail:

5×5=25

34. a) Explain the following

- a) Inkjet Printer b) Multimedia projector c) Bar code/QR code Reader (OR)
- b) Explain the fundamental gates with expression and truth table.
- 35. a) List out the point to be noted while creating a user interface for an Operating system.

(OR)

- b) Explan Building Blocks of Algorithms.
- 36. a) What is an entry control loop? Explain any one of the entry controlled loop with suitable example.

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b) Write a program to accept any integer number and reverse it. 37. a) Write the differences between Object Oriented Programming and procedural

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b) Write the output of the following.
                                   (OR)
    #include<iostream>
    using namespace std;
    class student
    {
    int rno, marks;
    public:
    student(int r, int m)
    {cout<<"welcome" <<endl;
    mo=r;
    marks=m;
    void prrintdet()
    marks = marks + 25;
   cout < < "Name: Bharathi" < < endl;
   cout<<"Roll no:"<<mo<< "\n";
   cout << "Marks: " << marks << endl;
    }
   };
   int main()
   student s(10,75);
   s.printdet();
   cout << "Bye";
   return 0;
```

38. a) Explain the different types of inheritance.

(OR)

b) Write the different types of cyber - attack.