This Question Paper consists of 39 questions and 8 printed pages.

Roll No.							Code No.	68/ESS	6/1
								SET	A

COMPUTER SCIENCE (330)

Day and Date of Examination :	
Signature of Invigilators :	1
	2

General Instructions:

- 1. Candidate must write his/her Roll Number on the first page of the Question Paper.
- 2. Please check the Question Paper to verify that the total pages and total number of questions contained in the Question Paper are the same as those printed on the top of the first page. Also check to see that the questions are in sequential order.
- 3. Making any identification mark in the Answer-Book or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 4. Write your Question Paper Code No. 68/ESS/1-A on the Answer-Book.

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COMPUTER SCIENCE (330)

[Time: 3 Hours]

[Maximum Marks: 60]

Note	:	(i)	This	questio	n pa	per con	sists o	f 39	ques	tions i	n all.						
		(ii)	All o	question	s are	compu	ılsory.										
		(iii)	Mar	ks are g	iven	against	each	que	stion.								
		(iv)	Sect	ion - A	cons	ists of	:										
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			(b)	of 02 n	nark	o 24 car s each (instruct	(with ()2 s	ub-pa	rts of	01 mar	k each	ı).	Attem	5		
		(v)	Sect	ion - B	cons	ists of :	:										
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			(b)			nd <mark>37</mark> - n the ra					-	ons cai	rryi	ng 03	mark	s each	ı to be
			(c)	Q.No.	38 a	nd 39 and the ra	- Long	, Aı	nswer	type	questic	ons cai	ryi	ng 04	mark	s each	ı to be
NOTI	Ξ:	(1)	Ans	wers of								ver-Bo	ok g	given t	o you	 1.	
		(2)	be d	ninutes t listribute stion pa _l od.	ed at	02.15 p	o.m. F	ron	n 02.1	5 p.m.	to 02.3	30 p.m	., th	e stud	ents	will re	ead the
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	(C)	Que	ue a _]	oresenta	tion		(1	D)	Print	a Pre	sentatio	on					
3.	Whi	ch of	he fo	llowing	is us	ed to cı	eate B	ulle	eted L	ist in l	HTML '	?					1
	(A)	<bl></bl>		_	B)				(C)				D)	<dl></dl>			
68/ES	SS/1		_	nn	18	ıti	E		2	IC	a	tic	D	n		 嗯 [C	Contd

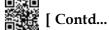
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4.	Whic	ch category of hea	ader f	iles among	the fo		ng has exp(x) fund	ction i	n C++ ?	1
	(A)	string	(B)	mathemat	ical	(C)	character	(D)	text	
5.	Which (A) (B) (C) (D)	th of the followin <bol> <bl> OCTOBER</bl> CHOREN CHOREN CHOREN CHOREN CHOREN CHOREN CHOREN</bol>	ER <br	bl> nderline>	olaying	g the t	ext "OCTOBER"	in BO	LD in HTML ?	1
6.		tify the closing ta	g for (B)	: 		(C)	no ending tag	(D)	<*br>	1
7.	are in void { int x int *y cout }	ncluded. main() = 88; y = &x << *y;			wing p				l header functions	1
	(A)	88	(B)	*88		(C)	&88	(D)	&x	
8.	Which	th of the following line	g attril (B)	oute is used box	to spe	cify th (C)	e width of border border	for ar (D)	n image in HTML ? blackline	1
9.	Which	ch of the followin	g is u	sed to create	e line	break (C)	in HTML ? < line >	(D)	< linebreak >	1
10.	Which	ch of the followin Text	g can (B)	be added in Picture	n an I	mpres (C)	ss presentation? Audio	(D)	All the above	1
11.	Which (A)	th of the followin Creating data Printing data	g is sı	apported by	(B) (D)	Form	essor ? natting data he above			1
12.	Which	th among the foll MS Word	owing (B)	g is an exan Impress	nple o	_	ad sheet software Lotus 1-2-3	e? (D)	All the above	1
13.	Give	one example of l	Protoc	ol used in c	commi	unicat	ion.			1
14.	The	octal equivalent o	of (34)	3) ₁₀ is						1
		-330-A]	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, 10 <u> </u>		3			 [Co	ntd
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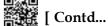
```
15.
     What will be the output produced by the below given program if the value of the variable x
                                                                                                       1
     is 18?
     #include <iostream.h>
     int main()
     int x;
     int y;
     cin >> x;
     y = 3;
     if (x/y < 12)
     cout << "Good Morning";</pre>
     cout << "Good Afternoon"; return 0;</pre>
16.
     The decimal equivalent of (AAA)_{16} is _
                                                                                                       1
17.
     Which tag is used to create a heading with the biggest size in a webpage?
                                                                                                       1
18.
     What is the header file for log 10(x)?
                                                                                                       1
     What is the ASCII value of 'B'?
19.
                                                                                                       1
20.
     Expand ARPANET.
                                                                                                       1
21.
     Consider the below given program, what output will be produced if the value for the variable
                                                                                                       1
     ch is entered as 'a'?
     #include <iostream.h>
     void main()
      {
     char ch;
     cin >> ch;
     switch(ch)
          case 'A':
         cout << "A Grade";
          break;
          case 'B':
         cout << "B Grade";
          break:
          case 'C':
         cout << "C Grade";
          break;
          case 'D':
         cout << "D Grade";
          break;
          default:
          cout << "NO Grade";
       }
     }
```

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```
What will be the output produced by the below given program?
22.
                                                                                                     1
     #include <iostream.h>
     void main()
     int i=0, s=0;
     while (i < 4)
           s=s+i;
           i++;
       cout << s; return 0;</pre>
23.
     What will be the output produced by the below given program?
                                                                                                     1
     #include <iostream.h>
     void main()
     struct emp
     int eno;
     float sal;
     struct emp E;
     E.eno = 1234;
     E.sal = 15643.5;
     cout << E.eno << E.sal;
     }
24.
     What is statement 1 in the below given program?
                                                                                                     1
     Assume all header files are included.
     #include <iostream.h>
     void change(int); //Statement1
     void main()
     int a = 5;
     cout <<"a = " << a << endl;
     change(a);
     cout <<"a = " << a;
     }
     void change(int b)
     b = 10;
     }
```

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25.	Fill in the blanks :	2
	(a) Writing data on the data file requires header file.	
	(b) ios :: app opens the file in mode.	
26.	State whether the following statements are True or False:	2
	(a) A pointer is a variable that refers to the location of another variable.	
	(b) Object pointers are used to create objects during run time.	
27.	Give one word for the following:	2
	(i) Cell in Calc is	
	(ii) Individual page of a spreadsheet is known as	
	CECTION. P	
	SECTION - B	
28.	What do you mean by simplex transmission?	2
28.		2
28.	What do you mean by simplex transmission?	2
28. 29.	What do you mean by simplex transmission? OR	2
	What do you mean by simplex transmission? OR What do you mean by bandwidth?	
	What do you mean by simplex transmission? OR What do you mean by bandwidth? Define Attribute.	
	What do you mean by simplex transmission? OR What do you mean by bandwidth? Define Attribute. OR	

BUS						
BUS NO	BUS NAME	YEAR	ТҮРЕ			
B001	NEERU	2024	VOLVO			
B002	RAVANA	2022	SCANIA			
B003	MAHAVEER	2019	VOLVO			
B004	ROLI	2024	TATA			
B005	VIKRAM	2019	BENZ			

- (a) Insert the record B005, LAXMI, 2023, VOLVO.
- (b) Display the details of volvo buses.
- **31.** Name any two components of Writer Window.
- 32. Why HTML document should be saved with the extension .html and Name one browser that helps us to open a HTML document.

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Contd...

2

```
#include <iostream.h>
#include <string.h>
struct ITEM
{
    char iname [20];
    int price;
    };
    void main()
    {
        _____ // statement 1
        _____ // statement 2
        cout << s1.iname;
        cout << s2.price;
    }
    Complete the above code for the following:
        Statement 1 : Create two objects s1 and s2 of type ITEM.
        Statement 2 : Input the value for the variable iname of the StructureVariable s1.</pre>
```

34. Write SQL queries to create the below given BUS table.

BUS								
BUS NO	VARCHAR(6)	PRIMARY KEY						
BUS NAME	VARCHAR(15)							
YEAR	INT(4)							
TYPE	CHAR							

OR

Differentiate fixed length and variable length datatype.

- **35.** Define the following terms : (Any two)
 - (a) Member Functions
 - (b) Objects
 - (c) :: operator
 - (d) Inline Member Function
- **36.** Create a webpage using the following instructions :
 - (a) Heading 'Examination' on the center of the webpage with the smallest heading font.
 - (b) The Paragraph "I Feel My Exam has gone good" on towards the left of the webpage.
 - (c) An image to be set having the file name "NIOS2024.jpg" with a height of 6 and width of 3.
- **37.** Define the following terms : (Any three)
 - (i) Primary key
 - (ii) Physical Data Model
 - (iii) Domain
 - (iv) Degree
 - (v) Default Constraint

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2

2

2

3

3

```
Answer the questions from (i) to (iv) based on the below given program (assume all header
38.
     files are included).
     class Graduate {
           int Rollno;
           char GName[20];
           float Marks1;
     protected:
           void Result();
     public:
     Graduate();
           void Enroll();
           void Display();
     };
     class Lecturer{
           long TCode;
           char TName[20];
     Protected:
           float Salary;
     public:
           Lecturer();
           void Enter();
           void Show();
     };
     class Learn: public Graduate, private Lecturer {
     long CCode[10];
     char LearnName[50];
     char StartDate[8], EndDate[8];
     public;
     Learn();
     void Commence();
     void CDetail();
     };
```

- Write the names of member functions, which are accessible from objects of class Learn. (i)
- Write the names of all the data members, which is/are accessible to member function (ii) Commence of class Learn.
- Write the names of all the members, which are accessible from objects of class Lecturer. (iii)
- Which type of Inheritance is illustrated in the above C++ code?

Define Virtual Base Class. Display the structure by taking an example or with syntax.

39. Write a program to create an array of N elements, accept a number from the user, (i) delete the accepted number from the array and print the new array.

Write a C++ program that accepts two numbers (a, b) from the user and passes to a function, the function will perform (a*a) + (b*b) to the main program which will display the output to the user.

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4

4