Register Number		1									
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Part III - COMPUTER SCIENCE

		(Voc	ational Co	omponen	t under	General Stre	am)
				(English	n Version	Č	
Time	e Allo	owed: 3	Hours]	3 T.		[Maxim	um Marks : 150
	Not	e: i)	(Objective	type) (1	to 75) in		is in PART - I IR Answer Sheet Inswer Sheet)
		ii)	top corner	of the Que	stion Pape	er (i.e., [(1)	or (2) hould be shaded
		iii)	Time allot		wering qu	uestion numbers	1 to 75 is first
		iv)		and III que		6 to 110) should	l be answered in
				PAI	RT - I	*	
	Cho	oose the	correct answ	er:		5	$75 \times 1 = 75$
1.	Wh	ich stater	nent accomp	olishes jump	from the	current loop ?	
	A)	Break		. 5	B)	Continue	4
	C)	Exit			D)	Quit.	10 II
2.	Whi	ich induc	es the reusa	bility of the	code?	Ē	
	A)	Objects			B)	Classes	2
	C)	Function	ns		D)	Variables.	t manage a

W # W !		-			
3.	Wh	ich functions execute faster but re	quire mo	ore memory space ?	
	A) -	Inline	- B)	Strcpy	
	C)	Strlen	D)	Stremp.	
4.	Wh	ich option is invalid when related t	o functio	ons of C++?	
	A)	Actual parameter can be passe parameter of value type	d in the	form of a constant to be formal	
	B)	The actual parameter can be parameter of reference type	passed	only as variable to the formal	
	C)	The default value in the formal initialization	paramete	er is given in the form of variable	
	D)	The default value for an argume list.	nt can b	be given in between the argument	
5.	Wh	at is the scope of the variable a in	the follow	wing snippet ?	
		if (x < y)			
		int a ; a ++ ;			
		}			
	A)	local	B)	function	
	C)	file	D)	class.	
6.	The	members of a class are accessed	using the	e operator	
	A)		B)	H .	
	C)		D)		
7.	Whi	ch of the following is not true?		*	
	A)	Member functions can be of static	c type.		
	B)	The return type of a member fund	tion can	not be of object data type.	
	C)	A non-member function cannot ac	cess the	private data of a class.	

D) Several different classes can use the same function name.

8.

9.

Data	a abstraction is achieved through	40	
A)	encapsulation	B)	polymorphism
C)	inheritance	D)	data hiding.
In C	C++, class variables are known as		e
A)	class	B)	functions
C)	members	D)	objects.
Whi	ch operator cannot be overloaded?		
A)	+	B)	++
C)	>	D)	11
A fil	ter is also a type of		
A)	table	B)	form
C)	report	D)	query.
	ch is a printed information that is a supplied criteria?	ssem	bled by gathering data based on
A)	Table	B)	Form
C)	Report	D)	Query.
To in	nsert a calc cell range into a text docu	ment	choose
A) -	Edit \rightarrow paste	B)	$Edit \rightarrow copy$
C)	$Edit \rightarrow paste\ special$	D)	Edit \rightarrow copy special.
Whi	ch is used to assemble information fro	om da	ta?
A)	DBMS	B)	Datum
C)	Information	D)	Sorting.
Whie	ch key uniquely identifies a record in	a tabl	e?
A)	Primary	B)	Secondary
C)	Tertiary	D)	Record pointer.

13.

14.

510	7	4	9	-	1.4
16.	Wh	ich key combination is pressed to	move bac		24.
	A)	Tab + F5	B)	Shift + F6	
6	C)	Shift + Tab	D)	Esc.	
17.		Table \rightarrow Table properties command is opened?	is used,	which one of the following dialog	25.
	A)	Table properties	B)	Format Table	
	C)	Table Format	D)	Cell properties.	
18.	If th	ne length of the document is more	han the	width, the orientation is called	
	A)	portrait	B)	default	1
	C)	landscape	D)	both (A) and (C).	2
19.	The	default margins for top, bottom ar	ıd left, ri	ght margins are	-
	A)	1.25 ", 1 "	B)	1 " , 1.25 "	
	C)	1 " . 1 "	D)	1.25 ", 1.25 ".	1
20.	The	intersection of rows and columns	creates		
	A)	table	B)	cells	i
	C)	address	D)	formula.	
21.		ich enables online educationa ification?	l progr	ams leading to degrees and	i
	A)	e-banking	B)	e-shopping	
	C)	e-learning	D)	Tele-medicine.	10
22.	The	expansion of BPO is		24.34	2
	A)	Business Pupil Outsourcing	B)	Business People Outsourcing	
	C)	Business Project Outsourcing	D)	Business Process Outsourcing.	
23.	Whi	ch refers to the conversion of non-	digital m	aterial to digital form?	
	A)	Data security	B)	Digitization	
	C)	ITES	D)	Medical Transcription.	

Wh	Which laws prevent computer crimes in India ?				
A)	Cyber	B)	IT		
C)	Common	D)	Cracking.		
Con	nputer ethics has its roots in the wor	k of			
A)	Charles Babbage				
B)	Blaise Pascal				
C)	Norbert Wiener		**		
D)	Bjarne Stroutstrup.				
Wh	ich one of the following is object orien	ted pr	ogramming language?		
A)	c	B)	C++		
C)	Pascal	D)	Visual Basic.		
Ak	ind of self sufficient 'subprogram' with	n a sp	ecific functional area is called as		
A)	Object	B)	Class		
C)	Program	D)	C++.		
Wh	ich is not a C++ keyword ?				
A)	auto	B)	goto		
C)	constant	D)	const.		
Wh	ich marks the end of a string literal?				
A)	,/0,	B)	'/o'		
C)	'\n'	D)	'/n'.		
Whi	ich is the conditional operator?				
A)	?	B)	?:		
C)	: ?	D)	53E -		

8.

19.

```
Read the following C++ snippet carefully and answer Question Nos. 3
              and 32:
          class simple
              private:
                                                                                   35
                  int x;
              public:
                  simple (inty)
                  {
                      x = y;
                  }
                  ~ simple()
              };
31. What is the name of the constructor?
                                             B)
                                                   ~ simple
     A)
          simple
          private
                                             D)
                                                   public.
     C)
     What type of constructor is used in this snippet?
          Non-parameterized
                                             B)
     A)
                                                   Copy
                                                  Default.
         Parameterized
     C)
                                             D)
     Which is the most powerful feature of an object oriented programming
33.
     language?
         Encapsulation
                                                  Polymorphism
     A)
                                             B)
     C)
         Inheritance
                                             D)
                                                  Data hiding.
```

	HU	w the derived class should be indicat	ea r	
	A)	Class der_name : visibility mode ba	ase cla	ass_id
	B)	Class der_name :: visibility mode b	ase cl	ass_id
	C)	Class der_name ; visibility mode ba	ase cla	uss_id
	D)	Class der_name, visibility mode, ba	ase cla	ass_id.
	The	e default visibility mode is		
	A)	private	B)	protected
	C)	public	D)	class.
3.	Wh	ich unit enables data storage and ma	nagen	nent?
	A)	Archive	B)	Memoframe
	C)	Projection TV	D)	Robot.
7.	Ope	erator functions must be		
	A)	member function	B)	friend function
	C)	either (A) or (B)	D)	function.
8.	Inte	gral promotions are purely		
	A)	compiler oriented	B)	computer oriented
	C)	data oriented	D)	program oriented.
39.	Whi	ch function initializes the class object	t?	*
	A)	Constructor	B)	Destructor
	C)	Main()	D)	User defined.
40.		ich constructor is executed when	an o	bject is passed by reference to
Ñ		structor?	701	0
	A)	Default	B)	Copy
ân:	C)	Parameterized	D)	Non-parameterized.
41.		ch is an application that allows you nes?	to ser	nd and receive messages over cell
	A)	SMS	B)	MMS
	C)	SSM	D)	MSS.

210	1	8		a a
42.	The	e most common yersion of e-learning	packa	ges is
	A)	CBT/WBT	B)	CBE/WBE
	C)	CB/WB	D)	CT/WT.
43.	GIF	is limited to how many bit palettes?	?	2
	A)	4	B)	18
	C)	8	D)	16.
44.	AIF	F format was developed by		
	A)	Microsoft	B)	AT & T
	C)	Apple	D)	Infosys.
45.	Sho	ckwave format is used to store multi-	media	components created using
	A)	Microsoft	B)	Apple
	C)	Paint	D)	Flash.
46.	Whi	ch of the following is not a word pro	cessor	?
	A)	Lotus Amipro	B)	Word Pro
	C)	MS Word	D)	Lotus 123.
47.	Топ	nove to the end of the document, pre	ess	` n
	A)	Home	B)	End
	C)	Ctrl + Home	D)	Ctrl + End.
48.	Whi	ch key combination is used to centre	a par	agraph ?
	A)	Ctrl + C	B)	Ctrl + R
	C)	Ctrl + E	D)	Ctrl + J.
49.		h time the Increase Indent button from left margin.	is cli	cked, the paragraph is indented
	A)	1 inch	B)	$\frac{1}{2}$ inch
	C)	$\frac{3}{4}$ inch	D)	2 inch.
50.	Whi	ch key may be pressed to select the	spellin	ng command ?
	A)	F5	B)	F7
	C)	Ctrl + F5	D)	Ctrl + F7.

5:

, 5

8
85
85
ñ
ge.
?
*

6.

57.

B)

D)

Shift + Ctrl + N

Alt + F + N.

A)

C)

Alt + Shift + N

Shift + N

6

6

6

7

	То	start a slide presentation, press		
	A)	F1	B)	F2
	C)	F11	D)	F5.
19	То	change the slide background, choose		
	A)	$File \to Page \to Background$	B)	$Format \rightarrow Page \rightarrow Background$
	C)	$Edit \rightarrow Page \rightarrow Background$	D)	View \rightarrow Page \rightarrow Background.
\overline{J}_{t}	In S	StarOffice Impress, to open the style	list th	e key to be pressed is
	A)	F1 .	B)	F2
	C)	F11	D)	F5.
).	То	print in StarOffice, the key combinati	on to	be pressed is
	A)	Alt + P	B)	Alt + F + P
	C)	Ctrl + P	D)	Ctrl + F + P.
1.	Wh	ich bar is used to display the current	cell a	nd its contents ?
	A)	Function	B)	Object
	C)	Formula	D)	Scroll.
2.	Def	ault data format is		
	A)	dd/mm/yy	B)	mm/dd/yy
	C)	yy/mm/dd	D)	dd/yy/mm.
73.	Fill	command is available under which m	enu ?	
	A)	File	B)	Format
	C)	Edit	D)	Help.
74.	Whi	ich are predefined formula that are av	ailabl	e in StarOfficeCalc ?
	A)	Functions	B)	Wizards
	C)	Cell address	D)	Formats.
75.	Wh	ich icon is used to insert objects from	other	application into a worksheet?
	A)	Insert Formula	B)	Insert Floating Frame
	C)	Insert Applet	D)	Insert OLE Object.

 $20 \times 2 = 40_{92}$.

93.

PART - II

	Answer any twenty questions in one or two sentences each:
76.	Define Text editing.
77.	How to create a header ?
78.	What is date arithmetic ? Explain.
79.	Explain how to generate the series:
Ŷ	33, 30, 27, 3.
80.	What is a database?
81.	Explain how to use Autofilter.
82.	What is inline sound and video ?
83.	Define Morphing.
84.	What are Rehearse Timings?
85.	How to rename a slide?
86.	Define Encapsulation.
87.	What is meant by type definition?
88.	What is the impact of modifiers?
89.	If $x = 10$, $f = 20$, $c = x ++ + ++f$;
	What is the value stored in the variable?
	c is x is f is
90.	Write down the syntax of the following:
	i) if else
	ii) do while.

- 91. What are the advantages of functions?
- 92. What is the use of strcmp()?
- 93. Write down the syntax of a 2D array declaration. Write an example.
- 94. How is memory allocated to an object of a class?
- 95. List the specifications of a class.
- 96. How are functions invoked in function overloading?
- 97. Write down any four rules for definition and usage of destructor.
- 98. What are the types of inheritance?
- 99. Define virus.
- 100. What is a call centre?

PART - III

Answer any seven of the following questions in five to ten sentences each:

 $7 \times 5 = 35$

- 101. How to create bullets and numbered lists?
- 102. Explain the functoins of any 10 icons of the Table formatting tool bar.
- 103. Explain how to create charts in worksheet.
- 104. List and describe the other features available with spreadsheet software in addition to its ability to calculate numbers.
- 105. Write any five advantages of computerized data processing.
- 106. Explain switch statement with a suitable example.
- 107. Explain call by value with an example.
- 108. Explain function overloading with an example.

```
109. Write the output of the following c++ program:
#include<iostream.h>
#include<conio.h>
class add
int num1,num2,sum;
public:add()
clrscr();
cout << "\n constructor without parameters";
num1=0;
num2=0;
sum=0;
add(int s1,int s2)
cout << "\n parameterised constructor .... ";
num1=s1;
num2=s2;
sum=NULL;
void getdata()
cout << "\n enter the data....";
cin>>num1>>num2;
void addition(add b)
sum=num1+num2 + b.num1+b.num2;
void putdata()
cout << "\n the numbers are...";
cout<<num1<<'\t'<<num2;
cout << "\n the sum of the numbers are" << 't' << sum;
};
void main()
add a,b(10,20);
a.getdata();
a.addition(b);
cout << "\n object a:";
a.putdata();
getch();
```

0. Debug the errors in the following c++ program:

```
clude<iostream.h>
   ass A
  ivate:
       int al;
  ublic:
        int a2;
 rotected:
       int a3;
 class B:public A
public:
void func()
       int b1,b2,b3;
       b1=a1;
       b2=a2;
       b3=a3;
}
};
void Main()
       B der;
       der.a3 = 0;
       der.func ();
```

