Register Number	T	T	7 .		
Number	 vgprti		-		(A. I
	-				

	Part III — COM	IPUTI	ER SCIENCE	4. Which
(Voc	cational Compone	nt und	ler General St	ream)
1		sh Versi		Cam)
Time Allowed: 3		ean and	sinoreq (sintia 3	num Marks : 150
Note: i) ii) iv)	Candidates should (Objective type) (1 supplied. (Refer instruction of the situation of the Que or (3) in the OMR Answer Situation of the OMR A	to 75) ructions gn ' — ' estion Pa or — heet usin swering	in the separate Of given in the OMR A (dash) as found aper (i.e., (1) (4) song HB Pencil.	MR Answer Sheet Answer Sheet) in the right-hand or (2) should be shaded 1 to 75 is first
	PAR	T - I		
	orrect answer:			75 × 1 = 75
1. Which statem	ent accomplishes jump	from the	current loop?	ism saro
A) Break	101	B)	Continue	
C) Exit		D)	Quit.	
2. Which induces	s the reusability of the c	ode ?		
A) Objects		B)	Classes	mM M orT (B
C) Functions	Laccess the private data	D)	Variables.	na e

5107 2 Which functions execute faster but require more memory space? A) · Inline · B) Strcpy C) Strlen D) Stremp. Which option is invalid when related to functions of C++? Actual parameter can be passed in the form of a constant to be formal A) parameter of value type The actual parameter can be passed only as variable to the formal parameter of reference type The default value in the formal parameter is given in the form of variable initialization The default value for an argument can be given in between the argument list. What is the scope of the variable a in the following snippet? if (x < y)int a: a ++ ; A) local function B) C) file D) class. The members of a class are accessed using the operator A) B) C) D) Which of the following is not true? A) Member functions can be of static type. The return type of a member function cannot be of object data type. C) A non-member function cannot access the private data of a class.

Several different classes can use the same function name.

D)

8.

9.

ita abstraction is achieved through	- 7	
encapsulation	B)	polymorphism
inheritance	D)	data hiding.
C++, class variables are known as		Cl Shift + Trib
class	B)	functions
members	D)	objects.
nich operator cannot be overloaded?		A) Table properties
D) Cell properties.	B)	C) Table Format
han the width, the orientation is calle	D)	If the length of the document is a
ilter is also a type of		
table	B)	form
report	D)	query.
ich is a printed information that is	assen	abled by gathering data based on
er supplied criteria ?		
Table	B)	Form
Report	D)	Query.
insert a calc cell range into a text doc	umen	t, choose
Edit → paste	B)	$Edit \rightarrow copy$
Edit \rightarrow paste special	D)	Edit \rightarrow copy special.
ich is used to assemble information fi	rom da	ata ?
DBMS	B)	Datum
Information	D)	Sorting.
ich key uniquely identifies a record ir	a tab	le?
Primary	B)	Secondary
Tertiary	D)	Record pointer.
	encapsulation inheritance C++, class variables are known as class members tich operator cannot be overloaded? + > ilter is also a type of table report ich is a printed information that is er supplied criteria? Table Report insert a calc cell range into a text doc Edit → paste Edit → paste Edit → paste special ich is used to assemble information for DBMS Information ich key uniquely identifies a record in Primary	encapsulation inheritance C++, class variables are known as class B members D) dich operator cannot be overloaded? + B) > bliter is also a type of table report D) dich is a printed information that is assentar supplied criteria? Table Report D) insert a calc cell range into a text document Edit → paste Edit → paste special D) dich is used to assemble information from data by the primary B) Information D) dich key uniquely identifies a record in a table primary B)

13.

14.

15.

51	.07	4		
16	. w	hich key combination is pressed to r	nove b	ackward through cells?
	A)	Tab + F5	B)	Shift + F6
	C)	Shift + Tab	D)	Esc.
17		Table → Table properties command x is opened?	is used	d, which one of the following dialog
	A)	Table properties	B)	Format Table
	C)	Table Format	D)	Cell properties.
18.	If t	he length of the document is more th	nan the	e width, the orientation is called
	A)	portrait	B)	default
	C)	landscape	D)	both (A) and (C).
19.	The	e default margins for top, bottom and	l left, r	ight margins are
	A)	1.25 ", 1 "	B)	1 ", 1.25 "
	C)	1", 1"	D)	1.25 ", 1.25 ".
20.	The	e intersection of rows and columns co	reates	
	A)	table	B)	cells
	C)	address	D)	formula.
21.	Wh cert	ich enables online educational ification?	progr	rams leading to degrees and
	A)	e-banking	B)	e-shopping
	C)	e-learning	D)	Tele-medicine.
22.	The	expansion of BPO is		EMEG IN
	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-dig	gital m	aterial to digital form?
	A)	Data security	B)	Digitization
	C)	ITES	DI	Medical Transcription

25.

26

	W	hich laws	prevent comp	uter crimes i	n Indi	la?	
	A)	Cyber	envarur bras vil	Titedio sedilin	B)	IT	Note: Read the I
	C	Commo	on		D)	Crack	ding.
	C	omputer et	thics has its re	oots in the we	ork of		
	A)	Charles	Babbage				: edgying
	B)	Blaise F	Pascal				; x ini
	C)	Norbert	Wiener				public
	D)	Bjarne S	Stroutstrup.				simple
	. w	hich one of	f the following	is object orie	nted p	programn	ning language ?
	A)	С	# 1		B)	C++	e x
(#)	C)	Pascal			D)	Visual	Basic.
7.	Al	and of self	f sufficient 'sul	bprogram' wi	th a s	pecific fu	nctional area is called as
	A)	Object			B)	Class	
1	C)	Program			D)	C++.	
8.	Wh	ich is not	a C++ keywor	d ?			
	A)	auto			B)	goto	elemie V
	C)	constant			D)	const.	
19.	Whi	ich marks	the end of a s	tring literal?			What type of construes
	A)	'\o'		7 Judgune 6	B)	'/o'	Non-parametersed
	C)	'\n'			D)	'/n'.	O Pammeterned
30.	Whi	ch is the c	onditional ope	rator ?		7.4.	Which is the most no
	A)	?	AGUNETRO SOS		B)	?:	language?
	C)	: ?			D)		Al Encapsulation

30.

3

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

	113	ow the derived class should be indi	icated '	?
	A)	Class der_name : visibility mode	e base	class_id
	B)	Class der_name :: visibility mod	e base	class_id
	C)	Class der_name; visibility mode		
	D)	Class der_name, visibility mode,		
	. Th	e default visibility mode is	*	8-0
	A)	private	B)	protected
	C)	public	D)	class.
j	. Wh	ich unit enables data storage and n	nanage	ement?
	A)	Archive	B)	Memoframe
	C)	Projection TV	D)	Robot.
7.	Ope	erator functions must be		Cl. Paint
	A)	member function	B)	friend function
	C)	either (A) or (B)	D)	function.
8.	Inte	gral promotions are purely		CI III MS Word
	A)	compiler oriented	B)	computer oriented
	C)	data oriented	D)	program oriented.
39.	Whi	ch function initializes the class obje	ect?	smoll + IdO (O
	A)	Constructor	B)	Destructor
	C)	Main()	D)	User defined.
40.	Whic	ch constructor is executed when tructor?	ano	bject is passed by reference to
	A)	Default	B)	Сору
	C)	Parameterized	D)	Non-parameterized.
41.	Whic phon	h is an application that allows you es?	to ser	nd and receive messages over cell
17.0	A) ;	SMS	B)	MMS
	C) S	SSM	D)	MSS.

510	07		8		
42.	Tł	ne most common yei	rsion of e-learning pa	icka	ges is
	A)	CBT/WBT		B)	CBE/WBE
	C)	CB/WB		D)	CT/WT.
43.	GI	F is limited to how i	many bit palettes?		V ; SMERT, TOD BANKS P
	A)	4	tty mode, base class	B)	18
	C)	8		D)	16.
44.	AI	FF format was devel	oped by		Al private
	A)	Microsoft	(G. 1	B)	AT & T
	C)	Apple	marchanem bas sys	D)	Infosys.
45.	Sh	ockwave format is u	sed to store multime	dia	components created using
	A)	Microsoft	r ici	3) ::::	Apple
	C)	Paint	I	D)	Flash.
46.	Wh	nich of the following	is not a word proces	sor	? moltomin sodaman (A.
	A)	Lotus Amipro	E	3)	Word Pro
	C)	MS Word	L)	Lotus 123.
47.	То	move to the end of	the document, press		fectuation willimited (A
	A)	Home	Е	3)	End
	C)	Ctrl + Home))	Ctrl + End.
48.	Wh	ich key combination	is used to centre a	para	
	A)	Ctrl + C	В	.8	Ctrl + R
	C)	Ctrl + E	D.		Ctrl + J.
49.			ALTHOUGH STATE OF THE STATE OF		
40.		from left ma	The state of the s	cnc	ked, the paragraph is indented
	A)	1 inch	В)	$\frac{1}{2}$ inch
*		n-parameterized.			to a security on the st descript. I have
	C)	3 inch	a pure of not and D)	2 inch.
50.	Whi	ch key may be pres	sed to select the spe	lling	command?
	A)	F5	B))	F7
	C)	Ctrl + F5	D,)	Ctrl + F7.

	The function used to find the squ	are root of a	given number is
	A) sqr()	B)	sqrt()
	C) sqt()	D)	square root().
. 1	Each table column represents		
	N Record	В)	Field
(C) Data	D)	Database.
. т	he hierarchical database structu		
A		В)	mini computers
C	mainframe computers	D)	micro computers.
ł. II	n Star Base, which of the field typ	oes is not all	
A		B)	Time
C	Date / Time	D)	Project.
5. T	he expansion of SQL is		A user defined data test
A)	Special Query Language	B)	Special Queue Language
C)	Structured Query Language	D)	Structured Queue Language.
6. W	hich variables are automatically i	nitialized to	zero when they are declared 2
A)	Auto and Static	B)	Static and Extern
C)	Static and Register	D)	Register and Extern.
7. Ex	traction or get from operator is		Al characters
A)	> (0	B)	>> almstit 10
C)	<	D)	Which blads the onto en.>>
. Wh	nich of the following is the invalid	variable dec	laration ?
A)	int a, b;		O Engrain
B)	int a;		
	int b;		A Private
C)	int a ;		C Public
	float b;		
D)	int a; b;		

57.

58.

5107 10 59. Which creates object files from source code? Computer B) C++ C) Compiler D) Program. 60. What is the error thrown by the compiler for the following snippet? if(a>b); cout << "Greater"; else cout << "Lesser"; Misplaced if A) Misplaced else Misplaced if ... else Misplaced else ... if. D) 61. An array in C++ is user defined data type built-in-data type B) derived data type default data type. D) The array subscript always commences from A) B) - 1 C) 0 100. D) Strings are otherwise called as A) characters B) names literals D) constants. Which binds the data and its associated functions together? A) Object B) Class C) Program D) Method. Which members can be accessed from outside the class also? A) Private B) Protected C) Public D) Static. To create a new presentation using a template, press

Shift + Ctrl + N

Alt + F + N.

B)

D)

A)

C)

Alt + Shift + N

Shift + N

6

	To s	tart a slide presentation, press		
	A)	F1	B)	F2
	C)	F11	D)	F5 .
r	Тос	hange the slide background, choose	3	Answer any maenty cues
	A)	File \rightarrow Page \rightarrow Background	B)	Format \rightarrow Page \rightarrow Background
	C)	Edit → Page → Background	D)	View \rightarrow Page \rightarrow Background.
١.	In S	starOffice Impress, to open the style l	ist the	e key to be pressed is
	A)	F1	B)	F2
	C)	F11	D)	F5 .
).	3005	orint in StarOffice, the key combinati	on to l	pe pressed is
	A)	Alt + P	B)	Alt + F + P
	C)	Ctrl + P	D)	Ctrl + F + P.
1.	23/2	ich bar is used to display the current	cell a	nd its contents?
	A)	Function	B)	Object
	C)	Formula	D)	Scroll.
2.	1	ault data format is		
	A)	dd/mm/yy	B)	mm/dd/yy
	C)	yy/mm/dd	D)	dd/yy/mm.
3.	Fill	command is available under which n	nenu ?	de. Deine sucapananan
	A)	File	B)	Format
	C)	Edit	D)	Help.
4.	Wh	nich are predefined formula that are a	vailab	le in StarOfficeCalc?
*5	A)	Functions	B)	Wizards
	C)	Cell address	D)	Formats.
5.	Wł	nich icon is used to insert objects from	n othe	r application into a worksheet?
	A)	Insert Formula	B)	Insert Floating Frame
	C)	Insert Applet	D)	Insert OLE Object.

PART - II

91.

93.

94

95

96

 $20 \times 2 = 40_{92}$. Answer any twenty questions in one or two sentences each: 76. Define Text editing. How to create a header? What is date arithmetic? Explain. Explain how to generate the series: 79. 33, 30, 27, ... 3. What is a database? Explain how to use Autofilter. What is inline sound and video? 82. Define Morphing. 83. What are Rehearse Timings? How to rename a slide? Define Encapsulation. 86. What is meant by type definition? What is the impact of modifiers? 88. If x = 10, f = 20, c = x ++ + ++f; What is the value stored in the variable? c is f is f is 90. Write down the syntax of the following:

if else

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 << num 1 << '\t' << num 2;
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 ();
}
}
```

3. Debug the errors to the following ces program:

schude-dostreum.is>

A rei

Section

int m)

.311

as yes

chotostol

En mi

ins Byoblic A

olldie

Contri blow

;Ed,Sd, Id Ini

Stanto

Esmitd

Capital of high

pub 8

der.n3 =0;

don.figue ()