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Question Paper Sl. No.

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Part III — COMPUT	ER SCIENCE
(Vocational Component und	der General Strang
(English Vers	
Time Allowed: 3 Hours]	semerag latina Civilla
agy st	[Maximum Marks : 150 er all the questions in PART - I
(Objective type) (1 to 75)	in the separate OMR Answer Sheet
supplied. (Refer instructions	given in the OMR Answer Sheet)
ii) The number of the sign ·	(dash) as found in the right-hand
cop corner of the Question P	aper (i.e., (1) or (2)
iii) Time allotted for answering	question numbers 1 to 75 is first
75 minutes.	remoters 1 to 75 is first
iv) Parts - II and III questions (the main answer-book. PART - I	76 to 110) should be answered in
Choose the correct answer:	C) file
	$75 \times 1 = 75$
the statement accomplishes jump from the	e current loop ?
A) Break B)	Continue
C) Exit D)	Quit.
2. Which induces the reusability of the code?	en al guivollet ent-le nouve
A) Objects B)	Classes
C) Functions D)	Variables.
	D) Several different classes

3.	W	nich functions execute faster but re	auire m	ore memory space ?
	A)		· B)	Strepy
	C)	Strlen	D)	Stremp.
4.	Wł	nich option is invalid when related t	o functi	ions of C++?
	A)	Actual parameter can be passed parameter of value type	d in the	e 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	parame	ter is given in the form of variable
	D)	The default value for an argume list.	nt can	be given in between the argument
5.	Wh	that is the scope of the variable a in if $(x < y)$	the follo	owing snippet ?
		Comment of the second		inte sait - W
		int a;		onining 75 mining 18 minin
				die main au
	A)	local	B)	function
	C)	file	D)	class.
6.	The	members of a class are accessed u	ising th	e operator
	A)		B)	H direction (A.
	C)		D)	ma 10
7.	Whi	ch of the following is not true?		S. Which provides an extent distribution
	A)	Member functions can be of static	type.	Internal In
	B)	The return type of a member func	tion can	anot be of object data type.
	C)	A non-member function cannot ac	cess the	e private data of a class.
	ומ	Several different classes can use t	he some	function name

	Da	ta abstraction is achieved through	7	
	A)	encapsulation	B)	polymorphism
	C)	inheritance	D)	data hiding.
	In	C++, class variables are known as		CI Shift + Tub
	A)	class	B)	functions
	C)	members	D)	objects.
).	Wh	nich operator cannot be overloaded?		esuragong sidni
	A)	D) Cell properties.	B)	++
	C)	than the width, the orientation is calle	D)	:: · O.
1.	A fi	ilter is also a type of		
	A)	table	B)	form
	C)	report	D)	query
2.	Wh	ich is a printed information that is a	assem	bled by gathering data based on
		er supplied criteria ?		
	A)	Table	B)	Form
	C)	Report	D)	Query.
13.	To i	insert a calc cell range into a text docu	ument	, choose
	A)	Edit → paste	B)	Edit → copy
	C)	Edit \rightarrow paste special	D)	Edit \rightarrow copy special.
14.	Wh	ich is used to assemble information fr	om da	ta?
	A)	DBMS	B)	Datum
	C)	Information	D)	Sorting.
15.	Whi	ich key uniquely identifies a record in	a tabl	e?
	A)	Primary	B)	Secondary
	C)	Tertiary	D)	Record pointer.

51	07		4	Lata abstraction is acideved thros
16	. W	hich key combination is pressed to	o move	backward through cells ?
	A)	Tab + F5	В	Shift + F6
	C)	Shift + Tab	D) Esc.
17		Table \rightarrow Table properties comman x is opened ?	d is use	ed, which one of the following dialog 25
	A)	Table properties	B)	Format Table
	C)	Table Format	D)	Cell properties.
18.	If t	he length of the document is more	than th	ne width, the orientation is called
	A)	portrait	B)	default
	C)	landscape	D)	both (A) and (C).
19.	The	e default margins for top, bottom a	nd left,	right 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	creates	
	A)	table	B)	cells
	C)	address	D)	formula.
21.	Wh	ich enables online education ification?	al prog	grams leading to degrees and
	A)	e-banking	B)	e-shopping
	C)	e-learning	D)	Tele-medicine.
22.	The	expansion of BPO is	*	EMERO 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-	digital n	naterial to digital form ?
	A)	Data security	B)	Digitization
	C)	ITES	ומ	Medical Transcription

V	nich laws prevent computer crimes	in Indi	a?
A	Cyber	B)	Note: Read the following TI
C	Common	D)	Cracking.
C	omputer ethics has its roots in the w	ork of	
A)	Charles Babbage		a deviate
B)	Blaise Pascal		x int
C)	Norbert Wiener		olldug
D)	Bjarne Stroutstrup.		(v mi) alquite
W	hich one of the following is object ori	ented r	programming language 2
A)	C	B)	C++
C)	Pascal	D)	Visual Basic.
Al	kind of self sufficient 'subprogram' w	8	The second section is a second
A)			reme functional area is called as
Ду	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	?	What type of constructor is used
A)	10'	B)	'/о'
C)	'\n'	D)	'/n'.
Whi	ch is the conditional operator?		Which is the most powerful a
A)	?	B)	?:
C)	:?	D)	A) Encapsidation

19.

3

```
Note:
                  Read the following C++ snippet carefully and answer Question Nos. 3
                  and 32:
              class simple
              {
                 private:
                     int x;
                 public:
                     simple (inty)
                    ~ 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
          Parameterized
                                             D)
                                                   Default.
     Which is the most powerful feature of an object oriented programming
33.
     language?
    A)
         Encapsulation
                                                  Polymorphism
                                             B) .
    C)
         Inheritance
                                                  Data hiding.
                                            D)
```

	the derived class should be	indicated '	?
	A) Class der_name : visibility r	node base	class_id
	B) Class der_name :: visibility		
	C) Class der_name; visibility n		
	D) Class der_name, visibility m		
	. The default visibility mode is		
	A) private	B)	protected
	C) public	D)	
j	. Which unit enables data storage a		
	A) Archive	B)	Memoframe
	C) Projection TV	D)	Robot.
7.	Operator functions must be		O Puter Co.
	A) member function	B)	friend function
	C) either (A) or (B)	D)	function.
8.	Integral promotions are purely		C) II MS Word
	A) compiler oriented	(B)	computer oriented
	C) data oriented	D)	program oriented.
39.	Which function initializes the class	object ?	O Ctrl + Home
	A) Constructor	В)	Destructor
	C) Main()	D)	User defined.
40.	Which constructor is executed v constructor?	vhen an o	bject is passed by reference to
10/21	A) Default	B)	Сору
	C) Parameterized	D)	Non-parameterized.
41.	Which is an application that allows phones?	you to ser	
17.	A) SMS	B)	MMS
	C) SSM	D)	MSS.

510	07		8	
42.	Th	ne most common version of e-lear	ning pack	ages is
	A)	CBT/WBT	B)	CBE/WBE
	C)	CB/WB	D)	CT/WT.
43.	GI	F is limited to how many bit pale	ttes?	IN : SHIER THE BARKS
	A)	4 bi_ausio ease(,et	B)	18
	C)	8	D)	16.
44.	AIF	FF format was developed by		
	A)	Microsoft	B)	AT & T
	C)	Apple	D)	Infosys.
45.	Sho	ockwave format is used to store r	nultimedia	components created using
de ac	A)	Microsoft	B)	Apple
	C)	Paint	D)	Flash.
46.	Wh	ich of the following is not a word	processor	? moltomir radamin (A
	A)	Lotus Amipro	B) .	Word Pro
	C)	MS Word	D)	Lotus 123.
47.	To 1	move to the end of the document	, press	betratio ediguico (6
	A)	Home	B)	End
	C)	Ctrl + Home	D)	Ctrl + End.
48.	Whi	ich key combination is used to ce	entre a par	agraph?
	A)	Ctrl + C	B)	Ctrl + R
-	C)	Curl + E	D)	Ctrl + J.
49.	Eac to	h time the Increase Indent bu	tton 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	g command ?
	A)	F5	B)	F7
	C)	Ctrl + F5	D)	Ctrl + F7.

	The function used to find the square	root of a	a given number is
	A) sqr()	В)	sqrt()
	C) sqt()	D)	square root().
	Each table column represents		equal Citot().
	A) Record	B)	Field
(C) Data	D)	Database.
. 7	The hierarchical database structures	A	
	A) super computers	B)	mini computers
(mainframe computers	D)	micro computers.
l. I	n Star Base, which of the field types	is not all	
A	EX. Control of the co	B)	Time
C	Date / Time	D)	Project.
5. T	he expansion of SQL is		in the state of th
A	Special Query Language	B)	Special Queue Language
С	Structured Query Language	D)	Structured Queue Language.
6. W	hich variables are automatically initia	alized to	zero when they are declared 2
A)	Auto and Static	B)	Static and Extern
C)	Static and Register	D)	Register and Extern.
7. Ez	ktraction or get from operator is		entendo IA
A)	>	B)	>> illends
C)	<	D)	A. Walch blade the onte en.>>
. WI	hich of the following is the invalid vari		laration ?
A)	int a, b;		page 7
B)	int a;		
	int b;	* .	A Private 1
C)	int a ·		C) Public
	float b;		To create a new presentation
D)	int a; b;		
	M + LHT + HITTE		

57.

5107	and 10 and both of bear mothered after
59. Which creates object files from so	
A) Computer	B) C++
C) Compiler	Early (altile columns assures as
60. What is the error thrown by the co	
if (a > b);	simple: for the following snippet?
cout << "Greater" ;	The hierarchical database structures
else	mount to eque W.
cout << "Lesser";	creating Completion 19
A) Misplaced if	B) Misplaced else
C) Misplaced if else	O Pladed Case
61. An array in C++ is	D) Misplaced else if.
A) user defined data type	B) built-in-data type
C) derived data type	D) default data time
62. The array subscript always commen	ices from
A) 1	B) - 1
C) 0	D) 100.
63. Strings are otherwise called as	eatelped bas clience 10
A) characters	B) names
C) literals 64. Which hinds the data	D) constants.
data and its associate	ted functions together?
A) Object C) Program	B) Class
	D) Method.
65. Which members can be accessed fromA) Private	outside the class also?
C) Public	B) Protected
66. To create a new presentation using a t	D) Static.
r-sociation using a t	emplate, press

Shift + Ctrl + N

Alt + F + N.

B)

D)

A)

C)

Alt + Shift + N

Shift + N

	To s	tart a slide presentation, press		
	A)	F1	B)	F2
	C)	F11	D)	F5 .
	Тос	hange the slide background, choose	1	sour garage vite rewards
	A)	$File \rightarrow Page \rightarrow Background$	B)	Format \rightarrow Page \rightarrow Background
	C)	Edit \rightarrow Page \rightarrow 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.
).	Тор	orint in StarOffice, the key combination	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.
3.	Fill	command is available under which m	enu?	de Deline Salado de
	A)	File	B)	Format
	C)	Edit	D)	Help.
4.	Wh	nich are predefined formula that are a	vailab	le in StarOfficeCalc?
	A)	Functions	B)	Wizards
	C)	Cell address	D)	Formats.
75.	Wh	nich icon is used to insert objects from	n othe	er application into a worksheet?
	A)	Insert Formula	B)	Insert Floating Frame
	C)	Insert Applet	D)	Insert OLE Object.

PART - II

Answer any twenty questions in one or two sentences each:

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

91.

93.

94

95

96

- 76. Define Text editing.
- 77. How to create a header?
- 78. What is date arithmetic? Explain.
- 79. Explain how to generate the series :

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 f 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 << "In 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:
      s=0;
sr.func ();
     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 ();
}
}
```

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