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# Student Bounty Com

# Part III - COMPUTER SCIENCE (Vocational Component under General Stream)

(English Version)

Time Allowed: 3 Hours

Maximum Marks: 150

Instruction: Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.

Candidates should answer all the questions in PART - I Note: i) (Objective type) (1 to 75) in the separate OMR Answer Sheet supplied. ( Refer instructions given in the OMR Answer Sheet )

> The number of the sign ' - '( dash ) as found in the right-hand ii) top corner of the Question Paper ( i.e., (1) or (2) or (3) or (4) should be shaded in the OMR Answer Sheet using HB Pencil. | Dalbadorff | |

> Time allotted for answering question numbers 1 to 75 is first 75 minutes.

> Parts - II and III questions (76 to 110) should be answered in the main answer-book.

## PART - I

Choose the correct answer:

 $75 \times 1 = 75$ 

The machine readable form of a program is called as 1.

A) source code

B) object file

C) compiler

D) executable file.

2. The function that returns no value is declared as

> A) int

B) char

C) float

D) void.

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traveth etc		Suc tion Paper St. No.		12
780				Com
3.	Par	ameter associated with call statemen	it is ca	alled
	A)	actual	B)	dummy
	C)	function	D)	formal.
4.		function name may include a set	of par	rameters, enclosed in parenthesis
	sep	arated by		( Vocational Comp
	A)	th Version J	B)	
	C)	will manifold [	D)	Time Allowed: 3 Hours ]
5.	Uox	w many types of scopes are there in	C 2	
٥,	поч	v many types of scopes are there in	C++ ?	
	A)	3 m enoltenm out I'm rowans	B)	5 A solow A solow
		to 75 ) in the separate OMR A 4		
6.		ich of the following is a user defined		
10131				
	A)	Public	B)	Private
	C)	Protected Translation In the American Investor	D)	Class.
7.	The	members defined within the class b	ehave	like which functions ?
	A)	Static	B)	Friend
	C)	Inline	D)	Derived.
8.	The	static member variable is initialized		
				Choose the correct answer :
	A)	o was called as	B)	1. The machine readable forn! of
	C)	2 all Joseph (a	D)	3. source code
9.	The	body of the class is terminated by		
		is declared as		2. The function that returns no
	A)	, (comma)	B)	: ( colon )
	C)	; ( semi-colon )	D)	() (parenthesis)

			an be overloaded?  B) ::  D) (.) membership operate
			3
10.	W	hich of the following operators o	an be overloaded?
	A)	Size of()	в) :::
	C)	++	D) (.) membership operate
11.	Но	w many types of databases doe	s StarOffice Base have ?
	A)	4	B) 2
	C)	8	D) 5.
12.	Wh	nich command is used to open S	StarOffice Base ?
	A)	File $\rightarrow$ New $\rightarrow$ Database	B) New $\rightarrow$ File $\rightarrow$ Star Base
	C)	View → Database	D) File $\rightarrow$ StarOffice Base.
13.	SQ	L means	
	A)	System Query Language	
	B)	Structured Query Level	
	C)	Structured Query Language	
	D)		
14.	Wh		d field type in StarOffice Base ?
	A)	Text ( fix )	B) Project
	C)	Time	D) Integer.
5.		set of processed data is called	b) integer.
	A)	Data (17)	B) Data Processing
	C)	Dababase	D) Information.
6.	Whi		errors and its correction in the Auto
	list '		MATERIAL POLICE CONTROL OF THE PAULO
	A)	Tools → Auto Correct	B) Tools $\rightarrow$ Auto Spell Check
	C)	Format → Spell Check	D) Tools $\rightarrow$ Spell Correct.

4

- 17. Which command is used to delete the selected table?
  - A) Format  $\rightarrow$  Delete  $\rightarrow$  Table
  - B) Format → Column → Delete
  - C) Format  $\rightarrow$  Row  $\rightarrow$  Delete
  - D) Table  $\rightarrow$  Delete  $\rightarrow$  Table.
- 18. To move forward through the cells press
  - A) Tab

B) Shift + Tab

C) Ctrl + Tab

- D) Alt + Tab.
- 19. The default left and right margins in StarWriter are
  - A) l inch

B) 2.25 inches

C) 1.25 inches

- D) 3.25 inches.
- 20. Dan Bricklin and Bon Frankston invented
  - A) StarOffice Calc

B) LOTUS 1-2-3

C) Quatro Pro

- D) Visi Calc.
- 21. Computer Ethics has its roots in the work of
  - A) Donn Parker

B) Rick Mascitti

C) Bjarne Stroustrup

- D) Norbert Wiener.
- 22. Which enables data storage and management?
  - A) Emotion containers

B) Memo frame

C) Data monitors

D) Archive unit.

- 23. BPO means
  - A) Business Process Outsourcing
  - B) Business Process Office
  - C) Business Process Output
  - D) Business Program Output.

B)

D)

Tokens

Keywords.

String Literals

Identifiers

A)

C)

780	1		6		1
31.	The	e constructor without parame	eter is called		24. wh
	A)	Method constructor	B)	Operator constructor	
	C)	Default constructor	D)	Function constructor.	
32.	Wh	ich is the process of creating	new class fro	m the existing or base cla	ass?
-	A)	Inheritance	B)	Encapsulation	
	C)	Polymorphism	D)	Constructor.	
33.	The	objects are not declared for	which class?		
	A)	Parent	B)	Base	
et es	C)	Abstract	Hagest of D)	Derived.	
34.	Whi	ch of the following is execute	ed in the rever	se order of inheritance?	
	A)	Constructor	B)	Destructor	
	C)	Function	D)	Operator.	
35.	The	expanded form of CBT is			
	A)	Computer Based Tutorials			
	B)	Computer Based Tutor		DIPAR	
	C)	Computer Based Teaching		tert was C++ developed ?	
	D)	Computer Based Teacher.			
36.	In h	ow many ways is polymorphi	sm achieved i	n C++ ?	
	A)	2	B)	3 (2 2) and + 1 lo not	
	(C)	1	D)	4.	
37.	How	many explicit argument(s)	is/are taken	by binary operators over	erloaded
	thro	ugh a member function?			
	A)	One	В)	Two	
	C)	Three	D)	Six.	

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						12.		
						THE	1	
			7	*		J.G	25	6
38.	Whi	ich of the following has n	o return typ	e and	cannot be overloa	ded ?	.00	2
	A)	Constructor		B)	Destructor		M	1
	C)	Function		D)	Operator.	noani		1
39.	The	memory space is allocate	ed to an obj	ect usi	ing			
	A)	Constructor		B)	Destructor			
	C)	Overloading		D)	Function.			
40.	The	destructor is prefixed by	which cha	racter	?			
	A)	#		B)	&			
	C)	%		D)	~			
41.	File	s in quicktime format hav	e the exten	sion		08		
	A)	.qtf		B)	·mov			
	C)	.qft		D)	.swf			
42.	Snd	l format was developed by	y (CI					
	A)	Apple Sand Sand Sand		B)	IBM			
	C)	MPEG		D)	Microsoft.			
43.	Whi	ich technique is used to b	olend two or	r more	images to form a	new im	age ?	•
	A)	Rendering		B)	Warping			
	C)	Morphing		D)	Animating.			•
44.	Free	quency is also called as						
	A)	Pitch		B)	Crest			
şi.	C)	Sampling		D)	Sound.			
45.	GIF	is limited to how many p	palettes?					
	A)	16 bit		B)	8 bit			
	C)	32 bit	(G	D)	64 bit.			

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							de	ég.	INTS COL
								180	1
78	01				0			1	34
46		n StarOffice V	Writer the flas	shing ver	8 tical bar i	e colled			1,0
	Λ		Destructor	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	C		Dotat		B)	Marker			
4.7					D)	Key.			
47	. w	nich key is ocument?	used to m	ove the	insertion		the beginni		the
	A)	Home		ia.	В)	Ctrl + Hor	ne		
	C)	Page up			D)	Shift + Ta	b.		
48.	Aı	n inch is equa	al to						
	A)	75 points			B)	74 points			
	C)	80 points				72 points.			
49.	w		orative Font ?	(8)	Δ,	12 points.			
	A)		v Roman		B)	Poiite			
	C)	Wingdings			D)	Fajita			
50.	Wł		sed to select	the snell			Saw Incres)		
	A)	F6		are spen			Apple		
	C)	F5		(0)	B)	F7			
51.			is used to re						
	A)	. Operator	is asca to re	ici range					
	C)	&	Admating		B)	1			
52.			of quartin S	to-060-		es belles o			
•	A)	Table	of query in S	tarOffice					
	C)	Filter			B)	Forms		ro •	
3.			StanOff 5		D)	Report.			
ω,			StarOffice Ba	ise table					
	A)	File			B)	Table			
	C)	Field			D)	Record.			

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					SE	/	
			9		Stild	One	1
54.	Wł	nich database is primarily used on		ne Computer	? 1 vist 1 to 1 to	1	OLL
	A)	Flat File	B)	Relational		Ø.	1
	C)	Hierarchical	D)	Object orie	nted.		
55.	Wh	nich of the following is not a step i	n Data Pı	rocessing?			
	A)	Collection	В)	Network			
	C)	Verification	D)	Validation.			
56.	Но	w many types of storage specifiers	s are ther	e in C++ ?			
	A)	3	B)	2			
	C)	5 (G	D)	4.			
57.	Wh	ich of the following is called the ir	nsertion o	perator?			
	A)	<< * enathment (8)	B)	>>			
	C)	> Joseph Kil	D)	<			
58.	A p	reprocessor directive starts with					
	A)	< /a> < (3) < (3) < (4) < (4) < (4) < (5) < (4) < (5) < (5) < (6) < (6) < (7) < (7) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8) < (8)	В)	#			
	C)	(i) Merbaics.	D)	>>			
59.		ch of the following is called exit-c	heck loop	?			00
	A)	dowhile	В)	for			
	C)	while	D)	switch.			
60.	Whi	ch statement would exit the curre	nt loop?				
	A)	Break	B)	Continue			
	C)	Quit Washington Miles	D)	Exit.			

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61.	WH	ich of the fol	lowing is can	icu as ii					54.
	A)	Strings			B)	float			
	C)	int belie			D)	char.			
62.	The	size of array	should alw	ays be					
	A)	negative			B)	positive			
	C)	float			D)	double.			
63.	The	array subsc			nce from				
	A)	one			В)	two			
		three							
	C)				D)	zero.			
64.	Dat	a members a	re called as						
	A)	attributes			B)	methods	,		
	C)	class			D)	object.			
65.	In (	C++ the class	variables ar	e know	n as				
	A)	Members			B)	Objects			
	C)	Methods			D)	Attributes.			
66.	Whi	ich among th	ne following i	s used	to display	various tran	sition effect	s that	can
		attached to a	101			lea el ganza			
	A)	Custom ani	mation		В)	Slide trans	ition		
	C)	Animation (	effects		D)	Slide sorte			
67.		keyboard sh		eate a no			*		
<b>.</b>			orteur to ere	aic a m					
	A)	Ctrl + N			В)	Ctrl + F +			
	C)	Alt + N			D)	Shift + Ctr	1 + N.		

				18	
				Handouts Slide sorter.	-
68.	Wł	nich view allows to create and ed	11	18	P
	A)	Notes			-
				Handouts	
00	C)	Normal	D)		
69.	Wr	nich is used for performing calcul	ations in p	resentation ?	
	A)	Insert formula	B)	Insert OLE object	
٠	C)	Insert Applet	D)	Insert object.	
70.	Wh	ich key is pressed to start a pres	sentation ?	Can we change the data pre-	
	A)	F2	В)	F5	
	C)	F7	D)	F11.	
71.	Def	ault format for date in StarOffice	Calc is	Write a note on filter and its	
	A)	dd/mm/yy	B)	mm/dd/yy	
	C)	mm/yy/dd	D)	yy/mm/dd.	
72.	In S	StarOffice Calc the formula starts	with		
	A)	\$	B)	&	
	C)		D)	1	
73.	Wh	ch is the default type of cell add	ress used l	by StarOffice Calc ?	
	A)	Relative cell addressing	B)	Absolute cell addressing	
	C)	Primary cell addressing	D)	Relational cell addressing.	
74.	Whi	ch is the most commonly used fu	inction in S	StarOffice Calc ?	
	A)	SQRT()	В)	SUM()	
	C)	AVERAGE()	D)	POW()	
75.	Whi	ch symbol is used to make a cell	address al	bsolute ?	
	A)	1	B)	*	
	C)	\$	D)	&	

89.

12

# PART - II

Answer any twenty questions in one or two sentences each: How to change line spacing in StarOffice Writer? 76. 77. How to insert page numbers in the footer area? 78. Differentiate between relative cell addressing and absolute cell addressing. Can we change the data present in a cell? If so, how? 79. Define (i) Record, (ii) Field in StarOffice Base. 80. 81. Write a note on filter and its types in Database. 82. Define Warping. 83. Expand and explain: i) **MPEG** ii) AVI. 84. How to change slide background? 85. What is meant by custom animation? 86. Define object. 87. Write a note on conditional operator in C++. 88. Write a note on Type cast.

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List the important purposes of void data type.

- 90. What is meant by association in C++?
- 91. List the types of scope rules of variables in C++.
- 92. Write a note on array of strings.
- 93. Write in brief about types of array.
- 94. Define data abstraction.
- 95. Write the general form of class declaration.
- 96. How are functions invoked in function overloading?
- 97. When is copy constructor executed?
- 98. Write a note on multilevel inheritance.
- 99. What is meant by call center?
- 100. Define piracy.

### PART - III

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

 $7 \times 5 = 35$ 

- 101. How to select the required portion of the text in a document?
- 102. Write in detail about how to change margins using page style dialog box?
- 103. Explain how to generate series of values in StarOffice Calc, with suitable example.

- 104. How to insert rows, columns and cells in Worksheet?
- 105. Explain how to insert cell Calc range into text document?
- 106. Explain for loop with suitable example.
- 107. Explain call by value method with suitable example.
- 108. Define function overloading. List the rules for function overloading.
- 109. Debug the following C++ program:

```
#include<iostream.h>
class A
private ;
int al ;
public :
int a2;
protect :
int a3;
) ;
class A : public B
public :
void func()
int b1; b2; b3;
b1 = a1 :
b2=a2 :
b3=a3;
} ;
void base()
B der ;
der:a3=0;
a3:func();
```

}

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# 110. Write the output for the following C++ program:

```
#include<iostream.h>
#include<conio.h>
float area(float r)
{
cout << "\nCircle..";
return(22/7*r*r);
}
float area (float k, float b, float h)
cout << "\nTriangle..";
return(k*b*h);
}
float area(float 1, float b)
{
cout << "\nRectangle..";
return(1*b);
}
void main()
cout << area (3.0, 4.5);
cout << area (5.0);
cout << area (0.5, 4.0, 6.0);
getch();
}
```

