IT Enabled Services

C)

Register			 The state of the s	
Number				
	1	1		

		Part III — C	COMPUTE	R SCIENCE	
(	Voc			er General Stream )	
Time Allowe	4	(E	English Versio		0
Instruction :	Che	eck the question paness, inform the H	aper for fairnes all Supervisor	ss of printing. If there is any lack of immediately.	of
Note:	i)	(Objective type	) (1 to 75) in	all the questions in <b>PART</b> - n the separate OMR Answer Sheet iven in the OMR Answer Sheet )	I
30)	ii)	top corner of the	e Question Par (3) or =	dash) as found in the right-hand per ( i.e., (1) or (2 (4) should be shaded g HB Pencil.	)
	iii)	Time allotted fo 75 minutes.	r answering q	uestion numbers 1 to 75 is first	t
	iv)	Parts - II and II the main answer	I questions ( 7-book.	76 to 110) should be answered in	
	3 1		PART - I	nationes (5	
		orrect answer:		75 × 1 = 75	,
. Illegal a	ccess	to network or con	nputer system	ls	
A) viru	ıs		B)	cracking	
C) pira	acy		D)	theft of computer time.	
. ITES sta	nds i	or	otherful to tob		
A) IT	Cconc	mic Services	B)	IT Educational Services	

D)

[ Turn over

IT Entertainment Services.

C) Constructor

030			/	
3.	Wh	ich of the following refers to softw	are se	tups that permit only authorized
	acc	ess to the system?	•	CA.
	A)	Physical security	B)	Personal security
	C)	Personnel security	D)	Piracy.
4.	Wh	ich is a telephone based shared serv	rice cer	ntre?
	A)	Data Management	B)	Data digitization
, ,	C)	Call centre	D)	e-governance.
5,	Wh	ich facilitates long term preservation	of the	documents?
	A)	Digitization	B)	Data Management
16 P. 15	C)	Data entry	D)	Document sending.
6.	Whi	ich removes the memory of an object	?	edimine edit.
	A)	Constructor	. B)	Copy constructor
2.7	C)	Destructor	D)	Default constructor.
7.	The	default visibility mode in inheritance	e is	Colle smit (a)
	A)	public	B)	private
21	C)	protected	D)	protect.
8.		which type of inheritance, a class is sitself?	derive	d from a class, which is a derived
	A) .	Two-way inheritance	B)	Multilevel inheritance
4	C)	Multiple inheritance	D)	Simple inheritance.
9.	Whi	ch is executed in the order of inherit	ed cla	ss?
,	A)	Destructor	B)	Member functions

Public member functions.

10.	BPC	stands for		
	$A_{\lambda_{i}}$	Business Program Outsourcing		almatenas (/ <sub>k</sub>
	B)	Business Project Outsourcing		
	C)	Business Process Outsourcing		18. Wembers of a class one cones
	D)	Business Plan Outsourcing.		
11.	The	parameter list in function overloadin	g mus	st differ by
	A)	number of arguments	B)	function name
	C)	function size	D)	number of functions.
12.	The	operator that can be overloaded is		A Encapsulation
	A)	<b>#</b>	B)	
	C) ,	sizeof()	D)	+=
13.	Whe	en a class object comes into scope wh	ich fu	inction gets executed?
***	A)	Destructor	B)	Polymorphism
	C)	Constructor	D)	Inheritance.
14.	A cla	ass can have how many destructor?		stell double to at years ++3 ct - it
	A)	1	B)	2
	C)	3 Dynamob 1980 (C)	D)	4.
15.	A co	instructor with parameters is called		pontlabers (C
	A) .	default constructor	,	ale KAlifwahari (RampireXita - A
	B)	parameterized constructor		119.44
	C)	non-parameterized constructor		
	D)	copy constructor.		
16.		en the first object of its class is created ber variable?	ated,	what value is initialized to static
	A)	1	B)	0
	C)	- 1	D)	NULL.

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830	)1	1)	
17.	In C++, objects of a class are also cal	led as	
	A) constants	B)	instar
	C) tag	D)	data t
18.	Members of a class are accessed usin	g which	n operato
	A) colon	B)	dot
	C) scope resolution	D)	semico
19.	Which is the key feature of object ories	nted pr	ogrammii
	A) Encapsulation	B)	Polymo
	C) Data hiding	D)	Inherit
20.	Polymorphism is achieved through	sqqoa e	omes into
	A) function overloading	B)	operato
	C) both (A) and (B)	D)	encaps
21.	In C++, array is of which data type?		Service Co
	A) Built-in	B)	User de
# - E - 0	C) Predefined	D)	Derived
22.	cin>>num[3]; reads which element?		10
2	A) Fourth	B)	Third
	C) Second	D)	First.
23.	Which function returns the number of c	haracte	ere etored

Classes

			(5)		* *
24.	The	members that are declared a	s, what	can l	be accesse
	clas	ss are	т П		**
	A)	public	nogeon	B)	private
	C)	protected	(6)	D)	public, pr
25.	Whi	ich operator is used to define f	unction	outsi	de a class
	A)	flued before they are used		B)	aid be de
	C)	ıı e	Sec. 7	D)	?:
26.	Wh	ich creates object files from so	urce co	ie in	C++,?
	A)	Variable	10	B)	Translato
	C)	Object		D)	Compiler.
27.	Wh	ich of the following about func	tions is	false	?
	A)	Functions provide data secur	ity		
	B)	Functions reduce the size of	the prog	ram	es es gool a
	C)	Functions induce reusability	of code		
	D)	Functions are executable seg	ments i	n a p	rogram.
28.	A fi	unction can be called or invoke	d from a	anoth	er function
	A)	address	in Paris	B)	object
	C)	class nottament		D)	name.
29.	Wh	ich executes faster but require	s more	mem	ory space
	A)	Functions		B)	Inline fur

8301	
31. How many storage specifiers ar	e there in C++ 2
A) 2 monty from 2	ABO ISIN D. Personal
C) 3	
32. Which is a predefined	D) 5.
32. Which is a predefined object that  A) istream	t corresponds to stan
	B) cout
C) cin Sasaba shla	D) header
33. In C++, which should be decl	ared or defined bef
P- S- till !	(a
A) Datatype	B) Variabl
C) Objects	D) Class.
34. In C++, which is a multiple branch	ing statement 2
A) for	B) if wood
C) switch	
35. The variable used in for loop is calle	D) while.
A) static variable	ed your star is sain and
C) control variable	B) counting
or variable	D) for variab
36. Which is a computer based prese graphics and video elements?	ntation technique tl
A) Impress	
C) Multimedia	B) Presentation
37. WBT stands for	D) Powerpoin
Inline functions	
A) Web Based Tutorials	

		7			
The conversion	of analog sound	waves to a	digital	format	potes

	A)	Sampling	B)	Animation
	C)	Multimedia	D)	Compress
39.	AVI	format was developed by		
*	A)	IBM muluo (E	B)	Apple
	C)	Macromedia	D)	Microsoft.
40.	Hel	per application is also called as	gand.	assuu ylassa
	A)	plug-in	B)	multimedi
	C)	video	D)	audio.
41.	Wh	ich language is used to query the da	tabase	?
	A)	C++	B)	SQL
	C)	HTML	D)	DBMS.
42.	Wh	nich key is used to uniquely identify a	a recor	d in a datat
	A)	Primary key	B)	Secondar
	C)	Tertiary key	D)	User key
43.	Filt	ter used with a condition is called		e Incessor
	A)	Autofilter	B)	Standard
	(C)	Conditional filter	D)	Uncondit
44.	Wh	nich amongst the following consists o	of usab	le sets of da
	A)	Form	B)	Field

38.

8301		*
46. The keys used to	(8)	
46. The keys used to create a new pre	sentatio	n using temple
A) Ctrl + N		
C) Shift + N		B) Shift + C
47. Which warm to 2		D) Alt + Ctrl
When view in StarOffice Impress t	hat allow	ws you to view
the slides ?		ag pa
A) Normal	(B) F	3) Outline
C) Notes		, outmie
48. Which can be		
the dan be used to specify basic	backgro	und inf
the slides?	odengio	und inforamtio
A) Lavouts		
A) Layouts	B)	Master pag
C) Custom animation	(Q = =	master pag
	D)	
49. Which key is used to assign presenta	tion et	los O
A) F5	TOTT Sty	ies ?
	B)	F7
C) F11		
50. Which amongst the care	D)	F9.
50. Which amongst the following helps the	e user to	) move from all
A) Home + Arrow keys		move hom sn
	B)	Navigator
C) Automatic	[d. D)	
51. Which is a Same 1.	D)	Slide sorter.
51. Which is a Spreadsheet program?		bolles at nous
A) StarOffice Impress	4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	B)	Improve
C) Lotus Amipro	D)	Flash.
52. The date format in Spreadsheet is		rasn.
	32	
A) DD/MM/YY	B)	VV (Nana
C) MM/DD/YY	2)	YY/MM/DD

			iwn sophisticated data type In	9		
	54.	The	reference operator in StarOff	fice Calc	is	
		A)	1		B)	. sqr
		C) -	•		D)	%
	55.	A co	ontinuous group of cells in a v	workshee	et is ca	alled
		A)	formula		B)	range
		C)	rows . Many mag (g)		D)	column
	56.	Whi	ch communicates with one ar	nother by	send	ing data
		A)	Class	the day	B)	Overloa
		C)	Data amount of		D)	Objects
	57.	Whi	ch provides security to data	?		
		A) .	Polymorphism	es el ano	B)	Datahid
		C)	Inheritance		D)	Data st
	58.	C++	was developed by			
		A)	Dennis Ritchie		B)	Charles
1	. Hall	C)	Bjarne Stroustrup		D)	Napier
	59.	The	escape sequence '\n' stands	for		
		A)	Backspace		B)	Line fee
		C)	Tab		D)	Bell sou
	60.	Whi	ch helps users to create a lis	t of iden	tifiers	of type i

Class

B)

A) Typedef

8301		(10)	
62.	Facility by which users can defi		sop
	A) Primitive data type		
	B) Built-in data type		
	C) User-defined data type		
	D) Derived data type.	A vericeheel	
63.	Each row and column in a table	represent	
	A) Record, Field	B)	D
	C) File, Field	D)	D
64.	Which is the process of arrangin		a ta
	Merging	В)	Fi
(	C) Searching	D)	Sc
65. V	Which is a printed information ser supplied criteria?	that is assen	nble
Α	) Form	B)	Re
C	) Chart	D)	For
66. W	hich is very useful for correct ords?	ing the spell	ling
A)	Auto spell check icon	В)	Rep
C)	Change all	D)	Aut
67. Ta	ble $ o$ Table properties command	d displays wh	nich
A)	Table 1100 any la sont	В)	Tab
C)	Table format	D)	Tab

Using Sty

D)

	69.	ın	e default left and right margins i	n StarOffic	e Writer is	
		A)	1 inch	B)	1.25 inc	
		C)	2.25 inches	D)	1.5 inch	
	70.	Wł	nich is used to calculate and ana	lyze sets of	numbers	
		A)	Spreadsheet	B)	Formula	
		C)	Charts	D)	Function	
	71.	Tex	d document can be created using	g		
		A)	StarOffice Calc	B)	StarOffic	
		C)	StarOffice Base	D)	StarOffic	
	72.	To move the insertion point to the beginning of the line p				
		A)	End key	B)	Home ke	
1.		C)	Up arrow key	D)	Down ar	
	73.	Which of the following is true, to change the fonts in Sta				
		A)	Format → Character	B)	Insert $\rightarrow$	
		C)	View → Font	D)	Format -	
	74.	nest sogo lascontrata si e guiz e dell'elle				
2.		A)	Line Space	B)	Paragrap	

Bulleted List

## PART - II

Answer any twenty questions in one or two sentences

- 76. What is meant by hanging indent?
- 77. How to create bullets and numbered lists?
- 78. Define function. How to insert them in worksheet?
- Write a short note on types of cell address.
- Define database.
- 81. What is a filter? What are the different types of filters in
- 82. List the steps in 3-D animation.
- 83. List any four popular multimedia formats.
- Define morphing and warping.
- 85. Explain how to create a custom slide show.
- 86. Define encapsulation.
- 87. What is a data type in C++? What are the different dataty
- 88. Define pointer variable. How to declare a pointer variable i
- 89. Write C++ equivalent expressions using the conditional opε
  - i) f = 0.5 if x = 30 otherwise f = 5
    - $f_n = 0.0 \text{ if } \dots$

- 93. Write a note on memory representation of 2-D array.
- 94. What does a class comprise?
- 95. Write the general form of a class:
- 96. Define operator overloading.
- 97. Give two rules for constructor definition and usage.
- 98. List the types of inheritance.
- 99. What are meant by emotion containers?
- 100. Define computer ethics.

## PART - III

Answer any seven of the following questions in five to ter

- 101. How to find and replace text in StarOffice Writer?
- 102. Explain how to change margins using ruler in StarWriter.
- 103. Explain the fill command in detail.
- 104. How to create chart in StarOffice Calc?
- 105. Explain how to create form using StarOffice Base.

}

```
14
109. Write the output for the following C++ program:
    #include<iostream.h>
    #include<conio.h>
    class base
     public:
     base()
       cout << "\nconstructor of base class";
    ~base( )
       cout << "\ndestructor of base class";
  class derived:public base
    public:
    derived()
    {
      cout<<"\nconstructor of derived";
    ~derived( )
     cout<<"\ndestructor of derived";
 class derived2:public base
   public:
   derived2()
    cout<<"\nconstructor of derived2";
  ~derived2( )
    cout<<"\ndestructor of derived2";
```

```
110. Debug the following C++ program:
    @include<iostream.h>
    class add
    int sum;
    protected:
    int num1; num2;
    public:
    void add();
    num1=num2=sum=0;
    cout << "add constructor;
    void accept();
    num1=12;
    num2=14;
   void plus( );
    sum=num1+num2;
   cout << sum;
   class subtrac( )
   int sub;
   public:
   void subtract();
   sub=0;
   cout << "subtract constructor
   void minus();
   add:accept();
   sub=num1-num2;
   cout << sub;
   };
   void main(
```