

21CS382

USN

Question Paper Version : A

Third Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Programming in C++

Time: 1 hr.]

6

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

- 1. Answer all the fifty questions, each question carries one mark.
- 2. Use only Black ball point pen for writing / darkening the circles.
- 3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
- 4. Darkening two circles for the same question makes the answer invalid.
- 5. Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.

Y	Alexander					
The process of con	The process of combining data and functional attributes of an entity is known as					
a) Class	b) Object	c) Inheritance	d) Encapsulation			
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	I also Y		(C)			
a) Object	b) Method	(c) Function	d) All of these			
	· · · · · · ·					
	COULD .					
a) Abstract data ty	pe b) Method	🕷 c) Template 🖤 💭	d) Function			
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		- Philipping	[1] M. C. M. MARTIN, M. P. MARTIN, M.			
a) Inheritance	b) Abstract	c) Polymorphism	d) Class			
The idea of extend	ing an already defined a	lass is known as				
	- see the second	A141	d) Abstraction			
a) Polymorphism	b) Encapsulation	c) inneritance	d) Abstraction			
A class with no oh	iects is called as	O ^Y				
		b) Inherited Class				
c) Anived Class	65	d) Thend Class				
is the ability	of a single object to an	pear in many forms.				
			d) Polymorphism			
•)		.,	-),			
Polymorphism	n is related to functions	that behave differently	with set of arguments			
a) Dynamic	b) Parametric	c) Adhoc	d) Both (a) & (b)			
	· · · · · · · · · · · · · · · · · · ·		-0 . 60 (*)0005000 (*)0008000 (*)080080			
Function overloadi	Function overloading is an example for					
a) Dynamic Polyn						
c) Adhoc Polymor	phism	. d) Both (a) & (b)				
4		- A – 1 of 4				
	 a) Class is an instance a) Object When the objects of a) Abstract data ty hides unnection a) Inheritance The idea of extendia a) Polymorphism A class with no obia A Abstraction Class Arrived Class is the ability a) Inheritance Polymorphism a) Inheritance Function overloadii a) Dynamic Polym 	 a) Class b) Object is an instance of a class. a) Object b) Method When the objects of a class behave like a of a) Abstract data type b) Method	 a) Class b) Object c) Inheritance is an instance of a class. a) Object b) Method c) Function When the objects of a class behave like a data type the class is kr a) Abstract data type b) Method c) Template 			

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10.	Identify example for runtime Ia) Adhocb) Dyn		Parametric	d) Both (a) & (c)		
11.	refer to the name of	variables, functi	ons, arrays , classe	s etc created by the		
	a) Keywords b) Con	stants c)	Identifiers	d) Strings		
12.	a) Variable b) Iden			program. d) Constant		
13.	operator can be used to a) Assignment b) Rela		variable. Arithmetic	d) Scope resolution		
14.	expressions combine	two or more rela	tional expression an	nd produces too type		
	results. a) Logical b) Con	stant c)	Pointer	d) Integral		
15.	The operator + = is called	_	4			
	a) Assignmentc) Compound Assignment	b) d)	Scope resolution Addition			
16.	In C++ , << is called					
	a) Insertion operator	2000 000 000 000 000 000 000 000 000 00	Extraction operator			
	c) Scope resolution operator	Gy a)	Pointer to member	declarator		
17.	Identify the invalid variable.		A. 35	A A A A A A A A A A A A A A A A A A A		
	a) a1 b) 1a	c)	y l	<u>چ</u> *		
18.	 Following line in the program is an example for Float volume (float x, float y, float 2); a) Function definition b) Function call c) Function prototype d) Both (a) & (b) 					
10	Identify the relational express	~				
17.	a) $x \le y$ b) $x + b$		20 + 5 / 2.0	d) m*n-5		
20.	Cexpressions produce ac	ldress values.	9			
0.00054	a) Integer b) Poin		Integral	d) Constant		
21.	is a special member fur					
(_{app})	a) Constructor (b) Des	tructor c)	Virtual function	d) Template		
22.	No. 198			0.00		
	a) Default b) Para	ameterized c)	Virtual	d) Single		
23.	$\underline{\qquad}$ is used to destroy the ob					
	a) Constructor b) Des	tructor c)	Virtual function	d) Class		
24.		function is precedent structor c)	ed by a tilde Abstract function	d) Virtual function		
	a) constructor aparts of Des	(indeter)		•)		
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	the state of the s		8.			
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25.	A derived class with o a) Single Inheritance c) Multilevel Inheritan		called b) Multiple Inheritan d) Hybrid Inheritance	
26.	inheritance.	the attributes of tw b) Multiple	o or more classes th c) Multilevel	is is known as d) Hybrid
27.		iving new class from b) Polymorphism		d) Encapsulation
28.			nheritances are observe c) Hybrid	ed. d) Multilevel
29.	Identify the correct sta a) Destructor never tak c) Destructor is a mem	kes any argument	b) Destructor does nod) All of these	ot return any value
30.			lass and multiple deriv c) Hierarchical	
31.			ded for templatization.c) basic_stream leaf	
32.	A file can be defined it a) 1	n possible type b) 2	c) 3	a) 4
33.	If stream opens a file i a) read	n mode b) write	c) read_write	d) append
34.	fstream opens a file in a) read	b) write	c) read_write	d) append
35.		ul for writing to files b) get ()	character by character. c) get c ()	d) string
36.		ed to check the end of b) read ()	the file. c) get ()	d) off
37.	a) getline ()	ling entire lines. b) get ()	c) put ()	d) set ()
38.	provides the me a) basic_stream leaf		e stream using lower le c) basic_iostream	vel functions. d) basic_ios
39.		l without any argumen b) get ()	nts to close a file. c) close ()	d) write ()
40.		ed for reading files chab b) get ()	aracter by character. c) putchar ()	d) gets ()
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41. The errors that are caused by events beyond the control of the program are called as _____ b) Asynchronous exception a) Synchronous exception d) None of these c) Both (a) & (b) Exceptions are of _____ kinds. b) 2 a) 1 43. Errors such as out of range index and overflow belongs to exceptions. d) None of these C) Both (a) & (b) b) Asynchronous a) Synchronous is used to prepare a block of statements which may generate exceptions. 44. d) Thrown c) Throw b) Catch a) Try exceptions. 45. C++ provides mechanism for handling d) None of these c) Both (a) & (b) b) Asynchronous a) Synchronous 46. Taking corrective action means b) Hit the exception a) Handle the exception d) Catch the exception c) Throw the exception 47. C++ exception handling mechanism is basically built upon _ keywords. d) 4 c) 3 b) 2 a) 1 statement associated with try When an exception is thrown it will be caught by 48. block. d) thrown c) throw a) catch b) try 49. C++ exception handling mechanism is built upon following keywords. c) Catch d) All of these b) Throw a) Try block detects and throws an exception. 50. c) Both (a) & (b) d) None of these b) Catch Try a) Ver - A - 4 of 4