	7	in 1	sete of
i)		Con	GE OF ARIS
			umber: - Signature of Supervisor with Date:-
		Durat Note: -	ion: - 2 ½ Hours] IT75OOP22 (3 (Marks 75)
	1	1. A	ll questions are compulsory. 2. Figures to the right indicate full marks. addents will be allowed 15 Minutes extra time per hour.
			PART A
	((35 Marks)
		1.	Which of the following is a correct identifier in C++?
		_	a)7var_name b) 7VARNAME\ c) VAR_1234 d) \$var_name
		2.	Which of the following is called an address operator?
		2	a) * b) & c) _ d) %
		3.	Which of the following is called insertion/put to operator?
			a)>> b) << c)> d)<
		4.	What is the size of a Boolean variable in C++?
		5.	a)1 bit b) 1 byte c) 4 bytes d) 2 bytes Which of the following is an exit controlled loop?
		٥.	Which of the following is an exit-controlled loop? a)For b) While c) do-while d) while and for
		6	Which of the following is accessed by a member function of a class?
		0.	a)The object of that class b)All members of a class
			c) The public part of a class d) The private part of a class
		7	Why is this pointer used?
		1.	a)To access the members of a class which have the same name as local variables in that scope b)
			To access all the data stored under that class
			c) To access objects of other class d) To access objects of other variables
		8	How many types of polymorphism are there?
	2 .	0.	a)1 b) 2 c) 3 d) 4
	2	9.	Pick the odd one out.
			a) a)array type b) character type c) boolean type d) integer type
		10.	. Which reference modifier is used to define the reference variable?
)			a) & b) \$ c) # d) @
		11.	. What will be used when terminating a structure?
			a): b)} c); d);;
		12.	. Which function is used to check whether a character is an alphabet?
			a) isalpha() b) isalnum() c) isdigit() d) isblank()
		13.	. The ifelse statement can be replaced by which operator?
			a) Bitwise operator b) Conditional operator
			c) Multiplicative operator d) Addition operator
		14.	. Which looping process is best used when the number of iterations is known?
			a) for b) while
			c) do-while d) all looping processes require that the iterations be known
		15	. What is used to write multi line comments in c++?
			a) /* */ b) /\$ \$/ c) // d) /\$ */
		15	. Which of the following is the default mode of the opening using the ifstream class?
			a) ios::in b) ios::out c) ios::app d) ios::trunc
		16	. Which is used to handle the exceptions in c++?
	4		a) catch handler b) handler c) exception handler d) throw
		17	. What is the mandatory preprocessor directive for c++?
			a)iostream.h b)stdio.h c) string.h d)math.h
		18	. How to handle error in the destructor?
			a) throwing b) terminate c) throwing & terminate d) try

	27			1519A 103					
19	. Which of th	e following	g is used to	move the fi	ile pointer	to the start	of a file?		
	a) ios::beg	b) ios::s	tart	c) ios::c	ur		d) ios::firs	t	
20	. By default,	all the files	in C++ are	opened in		mode	<i>a)</i> 1051115		
	a) Text	b) Binar	y	c) ISCII		d) VT(7		
21	. Virtual func	tions in C+	+ tells the	compiler to	perform	<i>-)</i> (11)		on euch	functions
	a) static bine	ding b)	late bindin	g c) cor	npile time	hinding	d) no hi	nding	fulletions.
22.	Which head	er file is red	quired to us	se file I/O o	perations?	· · · · · · · · · · · · · · · · · · ·	4) 110 01	inding	
	a) <ifstream< td=""><td>> t</td><td>o) <ostream< td=""><td>1></td><td>c) <fstream< td=""><td>n></td><td>d) <iostrea< td=""><td>ım></td><td>20</td></iostrea<></td></fstream<></td></ostream<></td></ifstream<>	> t	o) <ostream< td=""><td>1></td><td>c) <fstream< td=""><td>n></td><td>d) <iostrea< td=""><td>ım></td><td>20</td></iostrea<></td></fstream<></td></ostream<>	1>	c) <fstream< td=""><td>n></td><td>d) <iostrea< td=""><td>ım></td><td>20</td></iostrea<></td></fstream<>	n>	d) <iostrea< td=""><td>ım></td><td>20</td></iostrea<>	ım>	20
23.	What is the	order of De	structors c	all when the	object of	derived cla	ss R is deci	lared provid	led class B
	is derived fr	om class A	?		o o o je o c	delived ele	bb D ib dec	iaicu, provic	icu ciass D
	a) Destructo	r of A follo	wed by B	b) Destr	uctor of B	followed b	v A		
	c) Destructo	r of A only		d) Destr	uctor of B	only	<i>J</i> 11		
24.	How many s			lerive a clas	s?	omy			
	a) 1) 2		2) 3		d) 4		
25.	How to decl				,, ,		u) ¬		
	a) operator s				of the one	rator d	nome of the	ho along	
26.	Which speci	al character	is used to	mark the er	of the ope	14101 u) maine of the	ne class	
	a);			c) #					
	The data men			faclass in t	C++ are by	y dafault			
	a) protected	b) private	c C C C) public	d) nubl	ia fr protos	 to d	
28.	Constructors	are used to	Parine	,) puone	u) publ	ic & protec	iea	
	a) initialize t	he objects		h) constr	ruct the da	ta mamhara			
	c) both initia	lize the obje	ects & con	struct the da	ita membe	erc) delete ti	a objects		
29	When struct			care of the ac	tta momoc	abi delete li			
And .		is used insta	ead of the l	keyword cla	iss means	what will h	annen in th	a nrogram?	
2 7.	a) access is p	is used insta jublic by de	ead of the l fault b) ac	keyword cla	ss means,	what will h	appen in the	ne program?	
	a) access is p	ublic by de	fault b) ac	keyword cla cess is priva	ass means, ate by defa	what will l ault	appen in th	ne program?	
	a) access is pc) access is p	ublic by de rotected by	fault b) ac default	keyword cla cess is priva d) access	ass means, ate by defa is denied	what will l ault	appen in th		roumant?
30.	a) access is pc) access is pWhich of the	ublic by de rotected by following	fault b) ac default	keyword cla cess is priva d) access used in fund	ass means, ate by defa is denied ction overl	what will l ault	appen in th		rgument?
30.	a) access is pc) access is pWhich of thea) Encapsula	ublic by de rotected by following tion	fault b) ac default features is	keyword cla cess is priva d) access used in fund b) Polym	ass means, ate by defa is is denied ction overlarism	what will l ault	appen in th		rgument?
30.	a) access is pc) access is pWhich of thea) Encapsulac) Abstractio	ublic by de rotected by following tion n	fault b) ac default features is	keyword cla cess is priva d) access used in fund b) Polym d) Modul	ass means, ate by defa is denied ction overl corphism larity	what will hault	appen in th		rgument?
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30.	a) access is p c) access is p Which of the a) Encapsula c) Abstractio From which to a) start() func	rotected by following tion function the tion b)	fault b) ac default features is e execution main() fur	keyword clast cess is private d) access used in function b) Polyman of a C++ praction c)	ass means, ate by defa is denied ction overl corphism larity rogram sta	what will hault loading and arts?	appen in th	rith default a	rgument?
30. 31.	a) access is p c) access is p Which of the a) Encapsula c) Abstractio From which a) start() func An inline fun	rotected by following tion function the ction b)	fault b) ac default features is execution main() fur panded duri	keyword clast cess is privated access used in function display the control of a C++ process	ass means, ate by defa is denied ction overlar aorphism larity rogram sta new() fur	what will hault loading and arts?	function w d) end() fur	rith default a	rgument?
30. 31.	a) access is p c) access is p Which of the a) Encapsula c) Abstractio From which t a) start() fund An inline fund a) compile-tin	rotected by following tion function the etion b) ction is exp me b)	fault b) ac default features is execution main() fur run-time	keyword classes is private d) access used in function c) ing c) never e	ass means, ate by defa is denied ction overl corphism larity rogram sta new() fur expanded	what will hault loading and arts? action d) end o	function w d) end() fur	rith default a	rgument?
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[Duration: - 2 ½ Hours]

IT7500P22

[Marks 75]

Note: -

- All questions are compulsory. 2. Figures to the right indicate full marks.
- Students will be allowed 15 Minutes extra time per hour.

Q.2 - Answer the Following - (Any 2)

08 Marks

- 1. Explain Operators in detail.
- 2. Explain OOP's concepts in detail.
- 3. WAP to accept a number from the user and check if it is a prime number or not.
- 4. Write difference between procedure-oriented programming and object-oriented programming.

Q.3 - Answer the Following - (Any 2)

08 Marks

- 1. What is Class & Object? Explain in detail.
- 2. WAP to create a class named student which is having following data members. Sid, sname, marks Have to store data for 5 students.
- 3. Explain constructor & destructor.
- 4. Write the difference between constructor and destructor with syntax & example.

(P.T.O)

[Duration: - 2 ½ Hours] Note: -

IT7500P22

[Marks 75]

- 1.
- All questions are compulsory. Figures to the right indicate full marks. 2.
- Students will be allowed 15 Minutes extra time per hour.

Q.2 - Answer the Following - (Any 2)

08 Marks

- 1. Explain Operators in detail.
- 2. Explain OOP's concepts in detail.
- 3. WAP to accept a number from the user and check if it is a prime number or not.
- 4. Write difference between procedure-oriented programming and object-oriented programming.

Q.3 - Answer the Following - (Any 2)

08 Marks

- 1. What is Class & Object? Explain in detail.
- 2. WAP to create a class named student which is having following data members.

Sid, sname, marks

Have to store data for 5 students.

- 3. Explain constructor & destructor.
- 4. Write the difference between constructor and destructor with syntax & example. (P.T.O)

Q.4 - Answer the Following - (Any 2) 08 Marks 1. What is polymorphism? 2. Explain static binding & dynamic binding. 3. Explain virtual functions. 4. Explain this pointer. Q.5 - Answer the Following - (Any 2) 08 Marks 1. What is Exception handling? 2. Explain Inheritance. 3. WAP for multiple Inheritance. 4. Explain any 2 types of inheritance. Q.6 - Answer the Following - (Any 2) 08 Marks 1. What is file handling? 2. WAP to accept name and address from user, and write in file. 3. Explain any $\frac{1}{2}$ modes of file with examples. 4. WAP to read a number of characters from a file.

Q.4 - Answer the Following - (Any 2) 08 Marks 1. What is polymorphism? 2. Explain static binding & dynamic binding. 3. Explain virtual functions. 4. Explain this pointer. Q.5 - Answer the Following - (Any 2) 08 Marks 1. What is Exception handling? 2. Explain Inheritance. 3. WAP for multiple Inheritance. 4. Explain any 2 types of inheritance. Q.6 - Answer the Following - (Any 2) 08 Marks 1. What is file handling? 2. WAP to accept name and address from user, and write in file. 3. Explain any 2 modes of file with examples. 4. WAP to read a number of characters from a file.