6 pages) Reg. No.:		2.	Variables that are elements of a class are called variables						
Code No. : 20482 I	Sub, Code : CMCS 21/ CMSE 21		(a) (e)	member token	(d)	object friend			
NOVE Secon Computer Science/S OBJECT ORIENTE! (For those who is Time: Three hours PART A— Answer Choose the correct	he basic run-time entities in an	<ol> <li>4.</li> <li>5.</li> </ol>	consused (a) (b) (c) (d) Des and (a) (c) Wh	at happens westructors and d in a prograds a zero-arguent Compile-time Preprocessian Runtime execution has the districtor has the districtor of the coverboading of the coverboading the coverboading of the coverboading the cover	having and warm and warment conting error exception he same d by	no default convergence and astructor?  name as the  ?  \$ operators usargui	object that object that constructo ing membe nents.		
		Care							
<ul> <li>When the inherit methods in base derived class?</li> <li>(a) Inaccessible</li> <li>(c) Protected</li> </ul>	ance is private, the private class arein the  (b) Accessible  (d) Public	10.		aplates are p ws us to write generic procedure PART B -	(b) (d)		ms.		
in	What does the following statement mean?  int (*fp) (char*);  (a) pointer to a pointer			Answer ALL questions, choosing either (a) or (b).  Each answer should not exceed 250 words.					
(b) pointer to an (c) pointer to fur and returns a	array of chars	11.	(a) (b)		Or pass obj	and Objects. ects as arg	uments to		
returning a p	ointer to int is a member function of which ss?	12.	(a) (b)	objects.	Or	namic initia			
	(d) Both (a) and (b) s is to only write on files?	13.	(a)	Describe the using friend	ds.	oading binary	y operators		
(a) ofstream	(b) ifstream				Or				

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fstream

(d)

(c) iostream

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Write note on Single Inheritance.

14. (a) Summarize the purpose of 'this' pointer.

Or

- (b) What is meant by Dynamic binding?
- (a) Enumerate the various classes available for file operations.

Or

(b) Mention the usage of Template.

PART C —  $(5 \times 8 = 40 \text{ marks})$ 

Answer ALL questions, choosing either (a) or (b).

16. (a) Describe the features of inline function.

Or

- (b) Write note on Static Data members and Static member functions.
- 17. (a) Illustrate the copy constructor with suitable example.

Or

(b) Enumerate the principles of Dynamic contructors.

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18. (a) Explain the Rules for overloading operators.

Or

- (b) Discuss the Multiple inheritance with an example.
- 19. (a) Narrate the rules for virtual functions.

Or

- (b) Distinguish between getline() with write() function.
- 20. (a) How to perform the operations opening and closing a file? Explain.

Or

(b) Write in detail about Class Templates.

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