3E1654

(b)

iostream.h

301654

B.Tech. (Sem.III) (Main/Back) Examination, 2015 Electrical Engineering 3EE4 Object Oriented Programming

T: 0.11	The state of the s	and the same	Maria - Carlotte
Time : 3 Ho		[Total	Marks: 80
Instructions +	to Candidates :	Passing	Marks : 26
Attempt and	Condidates:		200
hack-	five questions, selecting one question from each unit. All questions carry equal marks.	Schematic	diagrams must
a anowil Wilel	rever necessary. Any data voli teel missing sulfably be assumed and stated clearly. Units of	quantities	used/calculated
must be stated	d clearly. UNIT-I		careoratea
/ \	hat do you understand by self referential structures. Explain it's application with suitable exa	mple	(0)
			(8)
(c) Ext	cplain flow Array of structures is coveted initialized and used with the help of suitable example	e.	(8)
l. (9) C	OR .		
(4) Cre	eate a structure for student data, fill the data by using a function by passing that structure	instance to	function. Write
	C++ code.		(8)
(b) Stat	ate the advantages of object oriented programming.		(4)
(c) Exp	plain pointer to structure with example.		(4)
	UNIT-II		(*)
" (a) Wh	hy 'New' is better than 'malloc' for dynamic memory allocation.		(6)
(c) Disc	scuss various use of :: operator in C ++.		(6)
(c) Disc	Scuse difference between Deinters & Deferences in C++		(5)
	scuss difference between Pointers & References in C++.		(5)
(a) Wh	OR		-
	hat is the use of 'this' pointer. Explain with example.		(8)
A WILL	hat is friend function and friend class. Discuss with suitable C++ code.		(8)
40	UNIT-III	17	
	load 'New' operator without overriding it. Write workable code.		
		24	· ·
	load + operator so that it can be used to concatenate two character strings. Write workable	code.	
V	10417-14		(I
	happens to Private, Public & Protected data of class B. When a class D is derived from B.		1
			(1
(a) Pub	Diomit		
Explan	in with suitable example. OR		
10 19 12 1227 10 10		s abstract o	lace and :
4. Explain	in Run time polymorphism, it's advantages and how it is implemented in C++. Also discuss	o moderate (rass and its purpos
	BUNDER W/		. (1
	UNIT-V		
Write s	short notes on following:		
(a) T	Type of Inheritance		
	Exception Handling		
	OR		
5. Write sl	short notes on following:		
	Standard Template Libraries		
	Standard Template Citraries		