

K-641

Seat No. 1036

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October / November - 2017

BCA-301: Object Oriented Programming Using C++

Time	e : 8	3 Hot	ırs]	[Total Marks:	70			
1	(a)	Exp (i)	olain following terms.	ii) Object	5			
			Data Encapsulation (iv) Inheritance				
	(b)	Answer the following questions: (any two)						
		(i)	Write a difference bet oriented programming oriented programming.					
		(ii)	-					
		•(iii)	List out different Ope Explain logical operato					
2	(a)	Ans	wer the following Questi	ions:	6			
		(i)	In which situations inlinot work.	ine function will				
		(ii)	Write a syntax of do w	hile statement.				
		(iii)	What is Destructor?					
((b)	Ans	wer the following questi	ions : (any two)	12			
		,(i)	Explain Static varia	ble and Static				
			Function with suitable	example.				
		'(ii)	What do you mean Explain Constructor example.	•				
		(iii)	Explain function ov	erloading with				

suitable example.

3 (a) Do	as directed :	
(i)	Define unary and binary operators.	
(ii)	Which are the various types of	
***	Conversions?	
(iii)	List out the Operators that cannot be Overloaded by friend function.	
(b) Ans	wer the following Questions: (any two)	2
(i)	Write a program for overloading of Unary minus(-) operator using friend function in C++.	
- (ii)	How can you overload Binary plus(+) operator?	
(iii)	Explain manipulation of string using operator overloading.	
(a) Exp	lain the following terms.	5
(i)	Pure virtual function	
• (ii)	this pointer	
•(iii)	multiple inheritance	
(iv)	abstract class	
• (v)	multilevel inheritance	
(b) Answ	wer the following questions: (any two)	12
•(i)	Explain Single inheritance with example.	
▼(ii)	What is the use of Virtual Base Class?	
	Explain it with example.	
(iii)	Write a short note Virtual function.	