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B.C.A. (Part—II) Semester—III Examination

3ST2: OBJECT ORIENTED PROGRAMMING WITH C++

Time: Three Hours] [Maximum Marks: 60]				
N.B.:—(1) All questions are compulsory.				
		(2) All questions carry equal marks.		
		(3) Assume suitable data wherever necessary.		
1.	(a)		6	
	(b)		6	
	3: 5:	OR		
2.	(a)	Write and explain the applications of OOP.	6	
	(b)	Explain structure of C++ program with example.	6	
3.	(a)	What are the various looping statements in C++? Explain any one. Also write program check whether given number is prime or not.	to 6	
	(b)	What is inline function? Explain with example.	6	
OR				
4.	(a)	Explain the switch statement with example.	6	
	(b)	What is function? Explain the following with example:		
		(i) Call by reference		
		(ii) Return by reference.	6	
5.	(a)	Define Class. Explain class specification with example.	6	
	(b)	Explain the following with example:		
		(i) Construction with default argument		
		(ii) Copy constructor.	6	
OR				
6.	(a)	Explain the following:		
		(i) Nesting of member function		
		(ii) Private member function.	6	
	(b)	What is destructor? Explain with example.	6	
7.	(a)	What is Inheritance? Explain multilevel and multiple inheritance with example.	6	
	(b)	Explain base class and derived class with example.	6	
	OR			
8.	(a)	What is Pointer? Explain declaration and initialization of pointer. Also write program to f		
	(la)	sum of n numbers using pointers and array.	6	
0	(b)	How to make private member inheritable? Explain. Explain the concept of virtual function and pure virtual function with example.	6	
9.	(a)	How to write data sequentially in a file in C++? Explain with example.	6	
(b) How to write data sequentially in a file in C++? Explain with example. OR				
10.	(a)	Explain the pointer to derived class with suitable example.	6	
10.		Explain opening and closing of files in C++ with example.	6	
	(b)	Explain opening and closing of thes in C++ with example.	U	