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THIRD SEM

SUPPLYMENTARY EXAMINATION

February 2019

CO-203 OBJECT ORIENTED PROGRAMMING

Time: 3 Hours

Max. Marks : 40

Note : Answer any five questions
Assume suitable missing data, if any.

- Q1. (a) Explain constructors and destructors. Give suitable code to explain. 7
(b) What is type conversion? Write suitable code for conversion from class type basic type. 7
- Q2. (a) What are the additional keywords added in C++ other than C? Explain 5 keywords of C++. 7
(b) What is the difference between inline function and macros? Write a program using inline function, to find sum of two numbers 7
- Q.3 (a) Explain the use of friend function. Give suitable example. 7
(b) What is function overloading? Write a program to overload function area using function overloading. 7
- Q4. (a) Create a code for exception handling for exception type int, char and float 6
(b) Write a program to add, show details of employee and student using inheritance where class "person" is inherited by two different classes "employee" and "student" 8
- Q.5 (a) Give the meaning of the following terms: 9
i) Abstraction;
ii) Encapsulation;
iii) Data hiding.
(b) Explain different visibility modes available in C++ along with their purpose. 5
- Q6. (a) What are the rules for function overloading? 5

P.T.O.

(b) How the virtual functions are declared in C++.

(c) List operators which can't be overloaded

Q7. Write short notes on any two :-

(a) Virtual class

(b) Templates

(c) Call by value

(d) Features of Java
