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3rd SEMESTER
SUPPLEMENTARY EXAMINATION

Roll No....................

B.Tech. (CSE)
Feb-2019

SE203 Object Oriented Programming

Time: 3:00 Hours   *Max. Marks: 40*

Note: Answer any five question. Question No. 1 is compulsory.
Assume suitable missing data, if any.

Q1. Answer all the following questions: **[12]**

(a) Compare the OOP Language and structured programming language

(b) Define constructor and give example

(c) What is Abstract class? Explain

(d) List the operators which are not possible to overload.

(e) How to protect the data with private inheritance?

(f) Explain the guidelines for defining template.

Q2. Answer all the following questions: **[3, 4]**

(a) Give the structure of a C++ Program.

(b) Demonstrate encapsulation and polymorphism.

Q3. Answer all the following questions: **[3,4]**

(a) Explain about scope resolution operator?

(b) Illustrate the dynamic initialization of objects for long term fixed deposit system program.

Q4. Answer all the following questions: **[3, 4]**

(a) Distinguish between call by value and call by address with an example

(b) Write a program to exchange values between two classes using friend classes

Q5. Answer all the following questions: **[3, 4]**

(a) Explain two ways of converting an object of one class to an object of another?

(b) Differentiate between derived constructor and base constructor.

P.T.O

Q6. Describe the three different inheritance behaviors achieved through the use of pure virtual, ordinary virtual and non virtual functions? [7]

Q7. Answer all the following questions: [3, 4]
(a) Write a c++ Program to add two integers, two floats and two complex numbers using class templates.
- (b) Explain about the sequential and random access file operations

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