PB20

[6268]-214

S.E. (Electronics/E & TC Engineering) /
(Electronics & Computer Engineering) (Insem)
OBJECT ORIENTED PROGRAMMING
(2019 Pattern) (Semester - IV) (204194)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What do you mean by overloading of a function? Explain with an example. **[5]**

b) Discuss the significance of Input/Output operators in C++. **[5]**

c) Explain how new and delete operators manage memory allocation/deallocation dynamically? **[5]**

OR

Q2) a) Explain the procedure oriented programming and Object oriented programming. **[5]**

b) Explain the following terms **[5]**
i) Inheritance and
ii) Polymorphism

c) Explain call by value and call by reference. **[5]**

Q3) a) Explain terms class and object also write the declaration syntax for both. **[5]**

b) Explain the objects as function arguments in C++ with an example. **[5]**

c) What is destructor? Explain the copy constructor with example. **[5]**

OR

Q4) a) What is Constructor? Explain types of constructors. **[5]**

b) Explain member functions within a class in C++ with suitable example. **[5]**

c) Explain concept of static data members, static member functions in C++. **[5]**