

Total No. of Questions : 4]

SEAT No. :

PA-10324

[Total No. of Pages : 1

[6008]-209

S.E. (Electronics / E & TC / Electronics & Computer) (Insem.)

OBJECT ORIENTED PROGRAMMING

(2019 Pattern) (Semester - II) (204194)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Attempt Q.1 or Q.2, Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Use of calculator is allowed.
- 5) Assume suitable data, if necessary.

Q1) a) Differentiate between Pointer and Reference. [4]

b) What are the properties of Object Oriented Programming? [6]

c) Justify How inline function is better than Macros with suitable example. [5]

OR

Q2) a) Justify with the example How to achieve Encapsulation in C++. [5]

b) Discuss the significance of Input/Output operators in C++ and their equivalence with 'C' [4]

c) Write a program to achieve compile time polymorphism. [6]

Q3) a) Explain concept of static data members, static member functions in C++. [6]

b) Write a program in C++ to avoid dangling Pointer Situation. [4]

c) Explain role of destructor in C++. Write syntax for String Class destructor. [5]

OR

Q4) a) Explain terms class and object also write the declaration syntax for both. [5]

b) Justify how to achieve is a kind of hierarchy and has a kind of hierarchy. [4]

c) Explain the Concept of object creation and destruction in C++. [6]

▽▽▽▽