

29/10/13

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B.E / B. Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2013

ELECTRONICS AND COMMUNICATION ENGINEERING

SIXTH SEMESTER

EC 502 – OBJECT ORIENTED PROGRAMMING

(REGULATIONS 2004)

Time: 3 Hours

Maximum Marks: 100

Answer ALL Questions

Part – A (10 x 2 = 20 Marks)

1. What are the striking features of object-oriented programming?
2. Differentiate Object-based programming & Object oriented programming.
3. What are the two parts of class specification?
4. What are the two places where the member functions can be defined?
5. What does polymorphism mean?
6. Define: "Operator Overloading"? Give an example.
7. Write the general format of a class template.
8. What are the various methods of overloading a function template?
9. Define: "Inheritance". Write the names of any two forms of Inheritance.
10. What are the various functions that can have access control to the private and protected members of a class?

Part – B (5 x 16 = 80 Marks)

11. (a). Illustrate the use of function prototyping and Call by reference in the object oriented programming.
12. (a). What is meant by "nesting of member functions"? Illustrate the features of nesting of member functions with a program.

OR

12. (b). How to share the static data member? Explain the sharing of a static data member with an example program.
13. (a). With an example program show how the unary minus operator is overloaded.

OR

13. (b). Explain the procedure of overloading binary operators using friend function.
14. (a). Illustrate the use of two generic types in template functions.

OR

14. (b). Explain with suitable program to show how a template function is overloaded with an explicit function.
15. (a). Explain the effect of Inheritance on the visibility of member functions.

OR

15. (b). Explain the concept of hierarchical inheritance with suitable example.
