

20/4/13

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B.E / B. Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL/MAY 2013

ELECTRONICS AND COMMUNICATION ENGINEERING

5

_____ 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. Define: Object and Class.
2. Write the different control structures used in programming languages.
3. What is meant by Data Encapsulation?
4. Define: "Pointer".
5. What is meant by operator overloading?
6. What is meant by Abstract Data Type?
7. Define: "Multiple Inheritance".
8. What is the use of "Template class"?
9. Give an example for derived class.
10. What is meant by "Exception Handling"?

Part – B (5 x 16 = 80 Marks)

11. (a). Explain the importance of any four concepts of object oriented programming.

12. (a). Write a C++ program to illustrate the use of Constructor functions.

or

12. (b). Write a C++ program to illustrate the use of simple inheritance.

13. (a). Explain the Unary Operator overloading with an example program.

or

13. (b). Write a C++ Program to multiply two matrices.

14. (a). Explain how arrays and pointers used in the object oriented programming.

or

14. (b). Explain the importance of Function template in the object oriented programming.

15. (a). Write a C++ Program to implement the different transactions associated with a Savings Bank account.

or

15. (b). What is meant by Virtual Function? Explain how virtual functions are used in C++.
