B. Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Second Year)

COMPUTER SCIENCE

Paper - V : Object Oriented Programming

Time : 3 Hours   **Maximum Marks : 75**

Answer question No. 1 compulsory   *(15)*

Answer ONE question from each unit   *(4 x 15 = 60)*

1) Write short notes on :

     a)   Function overloading.

     b)   Virtual Functions.

     c)   Constructor.

     d)   De structor.

     e)   File I/O and Binary I/O.

Unit – I

2) Explain the features of OOPs?   *(15)*

OR

3) Explain :   *(5 × 3 = 15)*

     a)   Name space

     b)   Copy constructor

     c)   Default Function Arguments

     d)   Friend functions

     e)   Virtual functions

Unit – II

4) a) Explain the function overloading with examples. *(9)*

   b) Discuss about operator overloading? *(6)*

OR

5) a) Explain the different types of inheritances with suitable examples. *(10)*

   b) Discuss about abstract data types. *(5)*

Unit – III

6) a) Discuss about Binary I/O. *(8)*

   b) Explain the C++ stream classes. *(7)*

OR

7) a) Explain the conversion functions. *(8)*

   b) Explain difference between C and C++ languages. *(5)*

   c) Explain briefly the importance of asm keyword. *(2)*

Unit – IV

8) Explain the Exception Handling Mechanism with suitable programs. *(15)*

OR

9) a) Explain class templates with example. *(10)*

   b) Explain the costing operators. *(5)*

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