

## MUSE 105

M.E. (Sem. I) Examination Jan-Feb 2008

## COMPUTER AIDED DESIGN

Time : Three Hours

Maximum Marks :100

Minimum Marks :40

Note: Attempt any Five Questions. All Questions carry equal marks.

Q.1a) What is the purpose of data type in a programming language? Explain the various data types supported by C++.

b) Explain the different arithmetic and relational operator used in C++ programming language.

Q.2a) What is conditional operator? Write a statement that uses a conditional operator to set 'y' print 'no' if 'ch' is 'n' and print 'unknown response' otherwise.  
5 to 1 if speed is greater than 50, and 10 if otherwise.  
Write if ----- else statement corresponding to above conditional operator.

b) What is Switch statement? Write a Switch statement that print 'yes' if a variable 'ch' is 'y' print 'no' if 'ch' is 'n' and print 'unknown response' otherwise. Write the nested if ----- else corresponding to this Switch statement.

Q.3a) Differentiate between the following with suitable example.

- (i) While and do--- while loop statement
- (ii) For and while loop statement
- (iii) Break and go to statement
- (iv) Break and continue statement
- (v) Continue and go to

Q.4a) What is an array? Write a program in c++ to find average (mean) of n given values.

b) What do you understand by function in a programming language? Differentiate between

- (i) Call by reference and call by value
- (ii) Local and global variable

Q.5 What do you understand by class in C++? Write a class declaration for above mentioned book structure. What do you understand by constructor and destructor? Write the constructor and destructor function in the class book

Q.6 Describe in AutoCAD the following terms : Chamfer, Trim, Arrays, Mirror, Offset, Extend, Layer, Rotate, Stretch, Align.

Q.7 What are different tool bars available in Autocad? Explain at least four of them briefly.

Q.8 Write short notes (Any two)

- a) 3 D commands
- b) Function key
- c) Dimensioning
- d) Listing for a drawing of a EWS house plan (One room kitchen block)

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