CS2400 Exam 1 Topics

Chapter 1

Terms, information questions

Von Neumann architecture

About C, C++ etc.

Chapter 2

Identifiers

C++ data types

Input and output

Escape sequences

Computations

Operators

+, -, *, /, %, +=, -=, *=, /=, %=, ==, =, !=, <, <<, >, >>, >=,

<=, &&, ||, !

3 control structures.

Selection control structure (if, if else, compound statements etc)

Loops – while and do while

Constant declarations

Chapter 3

Multiway if else statements

Switch statement (controlling expression and case labels, default etc)

Increment and decrement operators

for loops (including nested loops)

scope of a variable
Chapter 4

Predefined math functions

Write a single value returning function definition and a declaration.

Local variables and scope in functions.

How to call a function - (write a driver)

Do all the Self-Test Exercises

Types of questions:

T/F, Multiple choice

Short answers

Evaluate expressions.

Write expressions in C++ syntax.

Write a loop.

Predict the output of a loop and other statements

Write SVR function to perform a specific task.

Write a short program (with or without a SVR function)

Show output generated by a program.