

ANSWER KEY - LABORATORY EXERCISE 23
DRUM LEVEL CONTROL

2. DRUM LEVEL CONTROL

2.1 Control with Normal Cascade

Did the Primary PV (level) immediately begin to decrease when StepIncr was pressed? Yes

Did the Primary PV (level) immediately begin to increase when StepDecr was pressed? No

Did the Primary PV (level) immediately stop increasing when StepIncr was pressed? No

Is the loop behavior acceptable? No

Period of oscillation 50 minutes

Does the level stay near the set point? No

2.2 Three Element Drum Level Control

... eventually come to the set point? Yes

... remain near to the set point? Yes