Name: <u>SOLUTION</u>	Reg. No:
Which type of controller increases the stability setting?	of the system by keeping it at a consistent
C A. On-Off	
© B. Proportional	
C. Integral	
© D. Derivative	
Which type of controller increases the speed o while eliminating offset?	f response to reach the desired set point the fastest
C A. On-Off	
© B. Proportional	
C. Integral	
© D. Proportional-Integral	
Increasing derivative gain of a PID controller	
A. increases overshoot	
[™] B. decreases overshoot	
C. does not change overshoot	
O D. increases overshoot in proportion to gain	n
The proportinal part of a PID controller can be	implemented using an opamp with
• A. non-inverting or inverting configurat	ion
B. capacitor between the input signal and t	he opamp input
C. capacitor in the feedback path	
O. open loop comparator configuration	
In closed loop system the derivative control is	used to
• A. decrease the overshoot and settling ti	me
B. increase the overshoot and settling time	
C. decrease the overshoot and increase sett	cling time
On D. increase the overshoot and decrease set	tling time

A PID controller improves	13/03/2
A. steady state response	
© B. transient response	
C. frequency response	
O. both steady state and transient response	
The derivative part of a PID controller can be implemented using an opamp with a	
• A. capacitor between the input signal and the opamp input	
B. capacitor in the feedback path	
C. non-inverting or inverting configuration	
C D. capacitor at the output	
The integrator part of a PID controller can be implemented using an opamp with a	
A. non-inverting or inverting configuration	
© B. capacitor in the feedback path	
C. capacitor between the input signal and the opamp input	
O. capacitor at the output path	
The PID controller has three control operations in	
^C A. series	
• B. parallel	
C. P control in series and I, D in parallel	
D. P & I control in parallel and D control in series	
What type of controller is displayed by the equation below? A. Feedforward	
© B. PID	
C. On – Off Control	
© D. Proportional Integral	