I006 Online Test

Ref501

_____ provides the operation necessary to transform the sensor output into a form necessary to interface with other elements of process control lop.
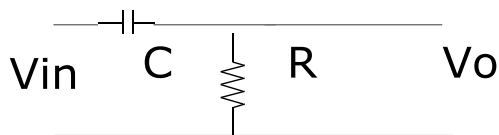
A	Analogue signal conditioning	B	Digital signal conditioning
C		D	
	Answer		

Ref502

Wheatstone bridge is _____basic signal conditioner.

A	Active	B	Passive
C		D	
	Answer		

Ref503

This circuit is

A	Low pass filter	B	High pass filter
C	Band pass filter	D	Band stop filter
	Answer		

Ref504

Vo V1=5V, R1=R2=34KΩ, ,R3=R4=R5=10 KΩ,
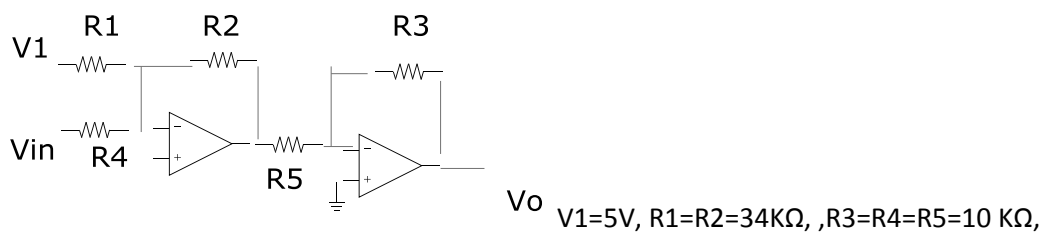
Vout for above circuit is

A	Vout= 1.7 Vin + 5	B	Vout = 3.4 Vin
C	Vout = 1.7 Vin	D	Vout= 3.4 Vin +5
	Answer		

Ref505

Vout = (1 + R2/R1) Vin is an equation for

A	Non inverting amplifier	B	Inverting amplifier
C	Emitter follower	D	Summing amplifier
	Answer		

Ref506

The equation F1/A1 = F2/A2 belongs to

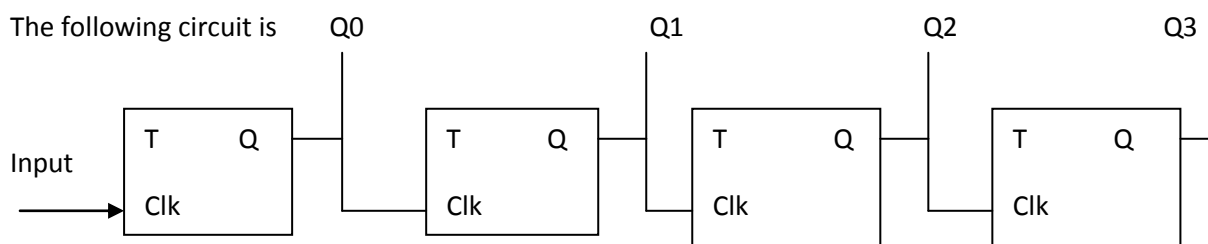| A | Boyle's law | B | Charle's law |
| C | Bernaulli's law | D | Pascal's law |
| | Answer | | |

Ref507

TTL 74LS 193 A CMOS 4035 ICs are used for

A	Parallel in / Parallel out function	B	Serial in / Parallel out function
C	Parallel in / Serial out function	D	Serial in / Serial out function
	Answer		

Ref508

The following circuit is

A	Up counter	B	Down counter
C	Asynchronous counter	D	Synchronous counter
	Answer		

Ref509

4 bits ripple counter has a modulus of _____ outputs.

A	4	B	8
C	12	D	16
	Answer		

Ref510

The number of data signal lines required for 7 segments display is

A	7	B	8
C	9	D	10
	Answer		

Ref511

In display multiplexing, the switches are used to connect the selected binary value to_____.

A	Encoder	B	Analyzer
C	Decoder	D	Follower
	Answer		

Ref512

To interface with high noise immunity industrial control system, which of device is to be used?

A	TTL	B	DTL
C	HTL	D	ECL
	Answer		

Ref513

Events occur after the previous event is completed. The device is_____.

A	Combinational logic	B	Sequential logic
C	Synchronous logic	D	Asynchronous logic
	Answer		

Ref514

This table stands for

A	B	C
0	0	1
0	1	0
1	0	0
1	1	0

A	AND	B	OR
C	NOT	D	NOR
	Answer		

Ref515
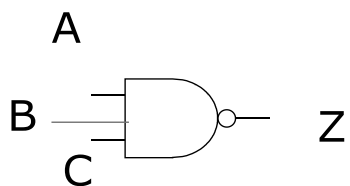
A	Z = A B C	B	Z = A+B +C
C	$\overline{Z = A B C}$	D	
	Answer		

Ref516

$45_{10} =$

A	101101_2	B	100101_2
C	111001_2	D	101010_2
	Answer		