

Chapter 4 (CO4)

Advanced Components and accessories

2 Mark Questions

- Q1) Draw neat sketch of Tandem cylinder.
- Q2) Draw symbol of proximity switch.
- Q3) Draw symbol of down counter.
- Q4) Draw neat sketch of quick exhaust valve.
- Q5) what are advantages of rod less cylinder?

4 Mark Questions

- Q1) How Rod less cylinder works? Explain with figure.
- Q2) Draw circuit diagram of SA cylinder using OR Gate.
- Q3) what are requirement of good fluid power plumbing?
- Q4) Write 4 functions of seals.
- Q5) Explain Relay with figure and draw symbol.
- Q6) Explain 5 components of PLC.
- Q7) Draw schematic diagram of AND-OR Logic.
- Q8) Draw Ladder diagram of sequencing Circuit.

Chapter 5 (CO5)

Hydraulic and Pneumatic Circuits

2 Mark Questions

- Q1) Draw meter out hydraulic circuit.
- Q2) Draw impulse hydraulic circuit.
- Q3) Draw Regenerative hydraulic circuit.
- Q4) Draw symbol of time delay valve.

4 Mark Questions

Q1) How speed of hydraulic motor is controlled? Explain with circuit.

Q2) Why braking and replenishing of hydraulic motor is required?

Q3) Explain working of Unloading Circuit.

Q4) Explain sequencing circuit.

Q5) Explain hydraulic circuit for Grinding machine.

Q6) Explain hydraulic circuit for Milling machine.

Q7) Explain hydraulic circuit for Shaping machine.

Q8) Explain any one Synchronizing circuit with sketch.