



51 51 51 51 51 51 51 51 51

**SECTION-B**

51 51 51 51 51 51 51 51 51

2. Discuss various design considerations for pumps.
3. What are different types of control in hydraulic system? Discuss the advantages and disadvantages of hydraulic system.
4. Explain Speed Control Circuit.
5. Discuss the application of pneumatics in engineering.
6. Differentiate between air motor and hydraulic motor.

51 51 51 51 51 51 51 51 51

**SECTION-C**

7. Explain a four way two position directional control valve with a sketch.
8. Describe the sequencing of motion time delay circuit and its application in pneumatic system.
9. Explain on off control and derivative control in pneumatic control system.

51 51 51 51 51 51 51 51 51

51 51 51 51 51 51 51 51 51

51 51 51 51 51 51 51 51 51

51 51 51 51 51 51 51 51 51

51 51 51 51 51 51 51 51 51

51 51 51 51 51 51 51 51 51

---

51 51 51 51 51 51 51 51 51