



5.32.2	Drawbacks of Air Motor	5-28
5.32.3	Types Air Motors	5-29
5.32.4	Piston Air Motors	5-29
5.32.5	Radial Piston Type Air Motor	5-29
5.32.6	Axial Piston type air motor	5-30
5.32.7	Vane Type Air Motor	5-30
5.32.8	Performance of Air Motors	5-31
5.32.8.1	Power Vs Speed Curve.....	5-31
5.33	Pneumatic Circuits	5-32
5.34	Control of Single Acting Cylinder.....	5-32
5.35	Control of Double Acting Cylinder	5-32
5.36	Pilot Control of Single Acting Cylinder	5-33
5.37	Pilot Control of Double Acting Cylinder.....	5-33
5.38	Speed Control of Single Acting Cylinder.....	5-34
5.39	Speed Control of Double Acting Cylinder	5-34
5.40	Start / Stop Control of Pneumatic Motors	5-35
5.41	Automatic Cylinder Reciprocating Circuit.....	5-35
5.42	Cylinder Sequencing Circuit (One Single Acting Cylinder and Double Acting Cylinder).....	5-36
5.43	Sequencing Circuit for Two Double Acting Cylinders	5-37
5.44	Pneumatic circuit using Quick Exhaust Valve	5-38
5.45	Time Delay Valve Circuit	5-38
5.46	Sequencing of three Cylinders.....	5-39
5.47	Cascading Time Delay	5-40
5.48	Application of Pneumatics in Low Cost Automation.....	5-40
5.49	Scope and Areas of Low Cost Automation	5-41
5.50	Areas Where Low Cost Automation using Pneumatics can be Employed	5-42
5.51	Methods and Steps of Planning of Low Cost Automation using Pneumatics	5-42
5.52	Pneumatic Automation Components	5-44
5.52.1	Pneumatic Cylinders	5-44
5.52.2	Air Motors.....	5-44
5.52.3	Pneumatic Valves.....	5-44
5.51.4	Air Movers	5-44

5.53	Problems for Practice	5-44
5.53	University Questions and Answers	5-46

UNIT - VI

Chapter 6 : System Analysis and Design

6-1 to 6- 29

Syllabus :

Calculation of piston velocity, thrust under static and dynamic applications, considering friction, inertia loads, design considerations for cylinders, Design of hydraulic/pneumatic circuits for practical application, selection of different components such as reservoir, control elements, actuators, accumulator, intensifier, filters, pumps. (Students are advised to refer manufacturing' catalogues for design and use simulation tool like Automation Studio for analysis).

6.1	Introduction.....	6-1
6.2	Basic Considerations	6-1
6.2.1	Design Aspects of Hydraulic Circuit.....	6-1
6.3	Design considerations for hydraulic / pneumatic system	6-3
6.4	Design Procedure of Hydraulic System.	6-3
6.4.1	Data Table	6-4
6.4.2	Process of Energy Transfer Process	6-4
6.5	Derive for velocity and acceleration of the Piston by considering thrust under static and dynamic applications, considering friction, inertia loads	6-5
6.6	Design and selection of Hydraulic and Pneumatic Circuit Components	6-25
6.7	Use of Simulation Tool Like Automation Studio Software For Analysis of The System	6-26
6.8	University Questions and Answers	6-27
•	Appendix-A : Solved University Question Papers of May 19, Oct. 2019(In Sem.) and Dec. 2019	A-1 to A-12

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