

## Question Bank – Uni Test 1

Course : IHP

Course Code- 22655

Class : ME61

Name of subject: Industrial Hydraulics and Pneumatics

### Chapter 4(CO4)

#### 2 Marks Question

- 1) List any 4 sources of heat in hydraulic system. (CO4)
- 2) Draw symbols of a) oil Heater b) Intensifier (CO4)
- 3) State function of FRL and draw its symbol. (CO4)
- 4) List function of seals used in hydraulic system. (CO4)
- 5) Draw twin lobe compressor. (CO4)

#### 4 Marks Question

- 1) Classify compressors in general. (CO4)
- 2) Explain Sliding seals with neat sketch. (CO4)
- 3) Explain construction and working of time delay valve. (CO4)
- 4) Differentiate between Reciprocating and rotary compressor. (CO4)
- 5) Explain Quick Exhaust valve.(CO4)

### Chapter 5 (CO5)

#### 4 Marks Question

- 1) Write Causes and remedy for low pressure in system. (CO5)
- 2) Write Causes and remedy for noisy pump. (CO5)
- 3) Compare meter in with meter out circuit. (CO5)
- 4) Explain hydraulic circuit for slotting machine. (CO5)
- 5) Explain speed control of bidirectional hydromotor. (CO5)
- 6) Explain counterbalance hydraulic circuit. (CO5)

7) State methods of sequencing. Explain any one with sketch. (CO5)

### **Chapter 6 (CO6)**

#### **2 Marks Question.**

- 1) What are common problems occur in pneumatic system. (CO6)
- 2) Draw symbol of a) FRL b) Muffler. (CO6)
- 3) Draw circuit to actuate single acting pneumatic cylinder. (CO6)
- 4) Give any 4 practical applications of pneumatic system. (CO6)

#### **4 Marks Question.**

- 1) Explain impulse Circuit to operate S.A cylinder.
- 2) Draw sequencing circuit for two double acting cylinder. (CO6)
- 3) Explain any one time delay circuit. (CO6)
- 4) Explain simple Electro pneumatic Circuit. (CO6)