

# **College of Engineering & Technology**

Department: Mechanical Engineering Marks: 15

Lecturer: Dr. Rola Afify
Course Code: ME464

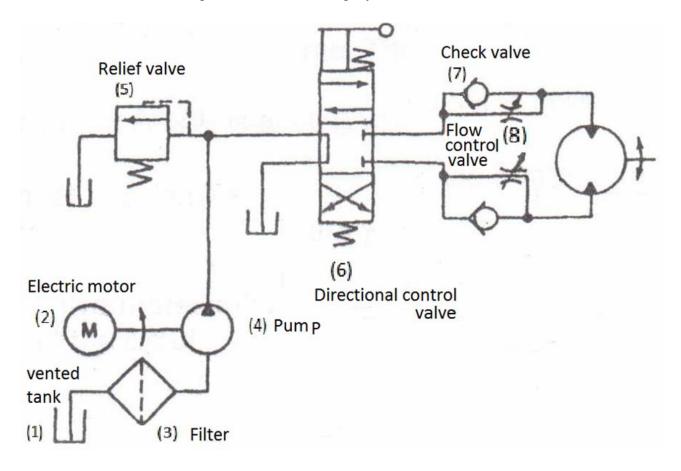
Time: 3:15- 4:00
Date: 25/3/2014

Name: Model Answer Code:

### **Answer the following questions:**

## **Question one (4 marks)**

Write the name of each component in the following Hydraulic circuit



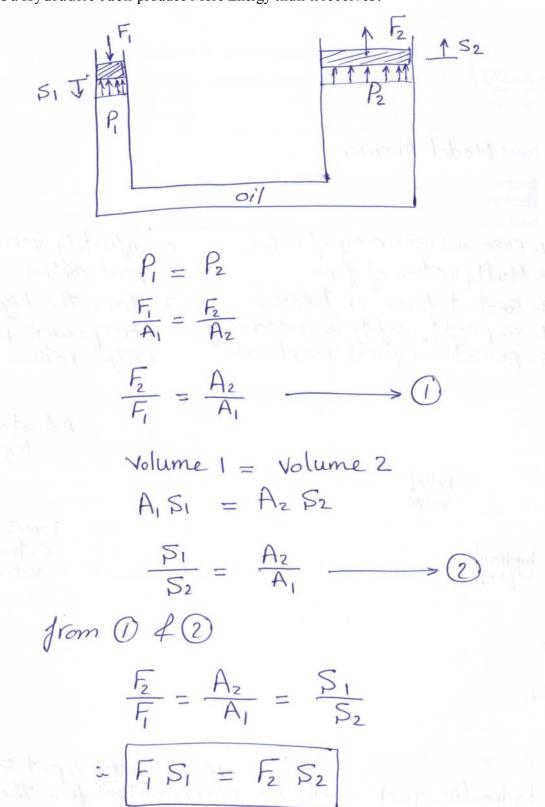
## Question two (5 marks)

What are the Hydraulic fluid functions?

Hydraulic fluid functions are:

- 1 Transmit power.
- 2 Lubricate moving parts
- 3 Seal clearances between mating parts.
- 4 Dissipate heat.
- 5 Prevent corrosion.

**Question three (6 marks)**Does a Hydraulic Jack produce More Energy than it receives?



No, it doesn't.