



## College of Engineering & Technology

Department: Mechanical Engineering

Marks: 15

Lecturer: Dr. Rola Afify

Time: 11:00 – 12:00

Course Code: ME361

Date: 15/7/2015

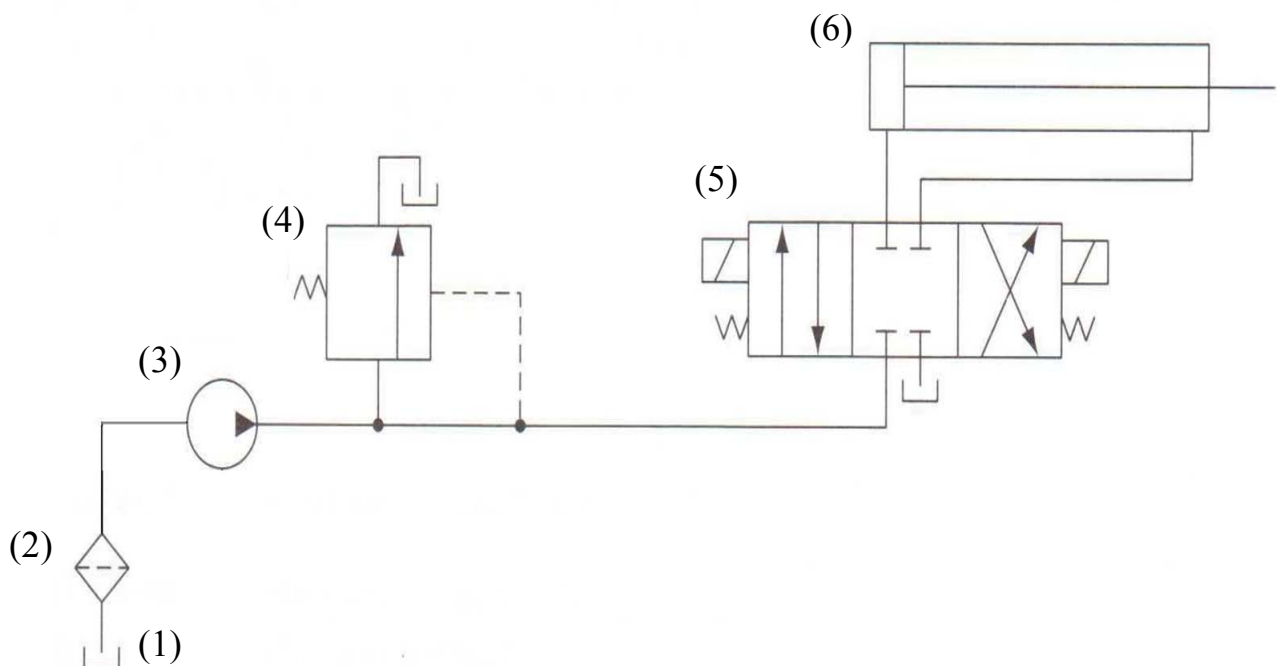
Name: \_\_\_\_\_

R.N.: \_\_\_\_\_

**Answer the following questions:**

**Question one (3 marks)**

Write the name of each component in the following Hydraulic circuit



**Question two (4 marks)**

Does a Hydraulic Jack produce More Energy than it receives?

**Question three (2 marks)**

What are the functions of an Oil tank?

**Question four (6 marks)**

Compare between Gear and Vane Pumps using neat sketches.