



College of Engineering & Technology

Department: Mechanical Engineering
Lecturer: Dr. Rola Afify
Course Code: ME464

Marks: 15
Time: 3:15 – 4:10
Date: 1/4/2014

Name:

R.N.:

Answer the following questions:

Question one (4 marks)

What are the advantages of Positive Displacement Pumps over Non- Positive Displacement Pumps?

Question two (3 marks)

Explain pump theory. Give an example.

Question three (8 marks)

Compare between Centrifugal pump and External Gear Pump according to their type, schematic, operation, and pressure-flow curve using neat sketches.