


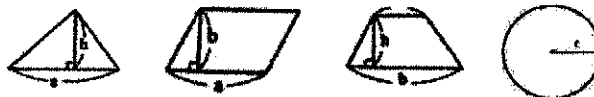
Mansoura University  Faculty of Agric. Agric. Eng. Department	Final Second Term Exam. On English for Specialists For First Level Students Program of Biosystems and Agriculture Engineering	Exam Date 13/06/2013
		Course Code (Unv.103)
		Total Marks 80
		Credit hour:- 2 hours

Please, answer the following questions

First Question.....(36 marks)

Write on each of the following:

1- Areas, and the perimeters for each of the following figures:- (8 marks)



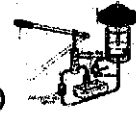
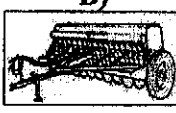

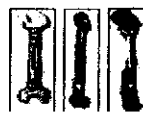




2-The definitions of both force and pressure?(4 marks)

3- Examples of different forms of energy?(2 marks)

4-The meaning of the following abbreviations: .(6 marks)

FAO— CC of an engine— PTO of a tractor

5- Names and functions for each of the following equipment and tools(16 Marks)

A) 	B) 	C) 	D) 
E) 	F) 	G) 	H) 

Second Question (24 Marks)

Complete the following to make meaningful sentences

- 1) The major properties of liquids are:,,, and.....
- 2) Engines can be classified according to the fuel type into the following: -
- 3) Examples of machine tools are:
- 4) Examples of primary tillage implements are:....., and.....
- 5) The common planting machinery types are:,..... and ...
- 6) The common irrigation systems are:,..... and ...
- 7) The techniques that farmers use to get more-efficient surface-irrigation are:.... , ..., and.....
- 8) The SI unit of Force is..... and the unit of Energy is.....while the unit of Power is.....

Third Question (20 Marks)

Translate to Arabic

(1)To resolve a single force into two or more forces acting in given directions, two methods may be employed. The force components can be found graphically, but an easier and more accurate way is to use trigonometry.....(6 marks)

(2) A lathe is a machine tool which spins a block of material to perform various operations such as cutting, sanding, knurling, drilling, or deformation with tools that are applied to the work piece to create an object which has symmetry about an axis of rotation.....(6 marks)

(3) Drip irrigation is an irrigation system in which water is applied directly to the root zone of plants by means of applicators (orifices, emitters, porous tubing, perforated pipe, etc.) operated under low pressure with the applicators being placed either on or below the surface of the ground....(8 marks)

Good Luck ;;;
Prof. Dr. A.E. Abou El-Magd