


لغة انجليزية للمتخصصين

 Faculty of Agriculture Agric. Eng. Department	Final Exam. On English for Specialists لغة انجليزية للمتخصصين For First Level Students Course Code (Unv.103)	Academic year 2011/2012
		Second Term
		Exam Date 14/06/2012
		Total Marks 80
		Credit hour:- 2 hours
Program of Biosystems and Agriculture Engineering		

Please, answer the following questions, they are distributed on two pages)

First Question (15 Marks)

Write the defined terminology for each of the following statements:-

No	Statements of the terminology	Terminology
1	A plane figure having three sides, its area = base × one-half altitude.	.....
2	A person who specializes in machining operations in a workshop	.....
3	A vehicle designed mainly to pull, and operate agricultural machinery	.....
4	A device, used to connect and disconnect the engine from the gearbox	.....
5	An implement which is mounted on the tractor during transport.	.....
6	Deep tillage done by chiseling, below 406 mm	.....
7	A process to remove bran from brown rice and change it into white rice.	.....
8	A process of removing heat from a farm product	.....
9	An irrigation system, in which water is pouring or pumped to the fields and is allowed to flow along the ground among the crops	.....
10	An irrigation system, in which, water is sent to the crop roots through plastic pipes (with holes in them).	.....

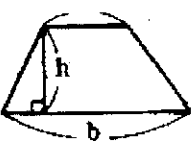
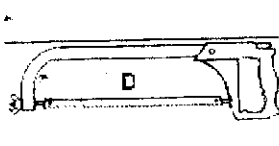
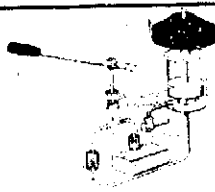
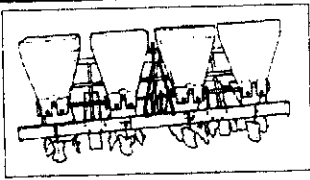
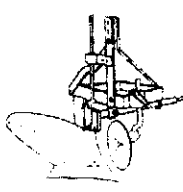
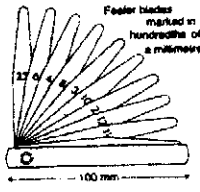

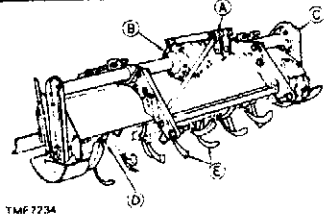
Second Question (18 Marks)

Complete the following to make meaningful sentences

- 1) The six simple machines are recognized as follows:
- 2) The same law that applies to all lever classes is as follows:
- 3) The list of hand-tools that should be found in most workshops are :
- 4) The Surface irrigation is also known as
- 5) Tractors are classified according to traction devices into the following classes :-
- 6) Engines can be classified according to the fuel type into the following classes :-
- 7) CC of an internal combustion engines is abbreviated to.....
- 8) The spike-tooth harrow is used for.....
- 9) Examples of processing activities that is or can be done on the farm products are :

Third Question (24 Marks)

Look at the following figures. State the figure's title that refer by the alphabets (A, B, C,...etc) on each figure?. Then, write 2 sentences related to each title?

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

Forth Question (23 Marks)

Translate the following paragraphs to Arabic

1) The Topics included for working in the field of Power and Farm Machinery are: Farm power availability and future; Tractors and agricultural vehicles; Dynamics, vibration and noise; Forest engineering; Hydraulics and turbo machinery; Clean technology. Farm Machinery are required for carrying out various agricultural operations, starting from the opening of the land to harvesting, threshing, winnowing and storage. (8 Marks)

2) The moment of a force about any point may be defined as 'the tendency of the force to rotate the body upon which it acts about the point .For example, when a force exerts a turning effect, as when pulling or pushing at the end of a spanner to turn a nut, the force on the spanner is said to be exerting a moment. That moment is calculated by multiplying the force by the distance measured from the turning centre perpendicular to the direction of the force. The moments is measured in SI unit system in Newton-meters (Nm) (8 Marks)

3)The availability of wind power for farm work is limited. Where the wind velocity is more than 32 km/hr, wind mills can be used for lifting water. A wind mill having 3.6 m diameter wheel mounted on 12.0 m tower is able to produce from 0.1 to 0.9 hp with the wind velocity varying from 6.4 to 37 km per hr. Thus the average capacity of a wind mill would be above 0.5 hp..... (7 Marks)

End of Questions, Wish You Good Luck ;;;

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