



Faculty of Agriculture
(Gen 112) English Language Final Exam
Time: 2 Hours

Second Year (Agriculture Engineering)
January 2015
Date: 21 / 1 / 2015
Total Mark: (80)

The exam consists of two papers

I- Text Book

Answer the following questions: (8)
M)

- 1- What is another name for energy of motion?
- 2- Which is larger, an atom or an element? Explain?
- 3- What is the scientific method?
- 4- Name one thing you might like to investigate for your science project.

Write the meaning of the following: (8)
M)

- 5- Acute angles. 6- Scalene
- triangle.
- 7- Natural fibers. 8- Lumber.

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II- Structure

A- Do as Shown: (10)
M)

- 1- You can easy open this tin. (Correct the adverb)
- 2- We live in a small house, but my grandparents' house is eventhan ours. (Complete)
- 3- I play tennis on Sunday. (Rewrite the question with **often**)
- 4- If Mel (**to ask**) her teacher, he'd have answered her questions. (Correct)
- 5- The government will stop the search because of the storm. (Rewrite the sentence into passive)

B- Write the verbs into past participle: (6)
M)

- 6- weave 7- speed
- swell 8-

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III- Comprehension

Read the following passage then answer the questions: (16)
M)

In the past, families grew all their own food on the farm. There were no tractors or other machines to make the job easier. A heavy iron plow was used to break up the soil and turn it over. Usually a horse, ox or mule pulled the plow while someone walked behind to steer it, row by row, until the whole field was plowed. Everyone helped with planting the seeds in rows. Children worked in the fields, using hoes to help keep the weeds out. When the crop was ready, the farmer used a sickle—a hooked blade on a handle—to cut the wheat. Children helped by tying the wheat into bundles. Then the wheat had to be threshed, or beat, to shake the wheat kernels loose. After that the wheat still had to be ground into flour and baked into bread. All this work was just

for the family's bread. There was more work to be done to get the other food the family needed. The work would have been harder without the machines the farmer used. There was the plow that cut into the soil, a harrow for smoothing out the soil, a sickle for cutting the wheat and a flail for threshing. A machine is anything used to make a job easier. People use machines because they save time and human energy. Many machines have been invented to make farm work easier. Someone invented a plow that wasn't so heavy, so that job became faster and easier. Someone invented a machine to cut the wheat. It was on wheels and pulled by horses. Harvesting became easier. Eventually, a tractor was invented. This made work on the farm even easier, and the farmer could grow enough food for the family, with extra to sell to other people. These days farmers use computers to help them use less gasoline and grow more food. They have smart tractors that use satellites and computers to tell them exactly how much fertilizer is needed in a field. Farming is still hard work, but today one farmer can feed many more people than just the family. One American farmer today can grow enough food to feed 123 people.

A tractor is a vehicle that has large rear wheels or moves on tracks and is used especially for pulling farm implements. In the old days the farmer had to use his own power. Later machines were invented that could be pushed or pulled by horses and other animals.

The chisel plow loosens and aerates the soil. The chisel plow was invented by Oklahoman Fred Hoeme. The plow is pulled through the soil by a tractor. In the old days plows had to be pushed by the farmer. Later plows were invented that could be pulled by horses, mules or oxen.

A combine is a machine that harvests, threshes, and cleans grain while moving over a field. Some Oklahoma crops harvested with a combine are wheat, oats, rye, barley, corn, and soybeans. In the old days the farmer had to cut the grain with a scythe or sickle and thresh it with a flail.

A seed drill is used for planting seeds in the soil. In the old days seed was broadcast, or scattered, by hand.

Choose the correct answer:

1. What is the word that means "anything used to make a job easier."?
2. What is the name of the machine that uses satellites and computers to tell farmers how much fertilizer should be used?
3. List three ways that machines help farmers or make their work easier.
4. Draw a table to compare and contrast the tractor with man or horse power, the new with the old plow, the combine with the sickle and the flail and the seed drill with broadcasting by hand.

IV- Composition

Write a paragraph on ONE only of the following: (16

M)

1- Agricultural Machinery

2- Food Engineering

3- Energy

V- Translation

Translate into Arabic: (10

M)

The government is trying to solve the transport problem by constructing new roads and flyovers. The number of vehicles is increasing every day. Roads are becoming too crowded for drivers to use.

Translation into English: (6

M)

تهتم الدولة بالعلماء اهتماما كبيرا و تمنحهم الكثير من الجوائز في المناسبات القومية.

With Best Wishes

4. A tractor is a vehicle that has large rear wheels or moves on tracks and is used especially for pulling farm implements. In the old days the farmer had to use his own power. later machines were invented that could be pushed or pulled by horses and other animals.

The chisel plough loosens and aerates the soil. The chisel plow was invented by Oklahoman Fred Hoeme. The plow is pulled through the soil by a tractor. In the old days plows had to be pushed by the farmer. Later plows were invented that could be pulled by horses, mules or oxen.

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IV- Composition

Write a paragraph on ONE only of the following: (16 M)

2- Agricultural Machinery

3- Energy

2- Food Engineering

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V- Translation

Translate into Arabic: (10 M)

تحاول الحكومة حل مشكلة المواصلات بإنشاء طرق و كباري علويه جديده فعدد المركبات يزداد كل يوم و الطرق تصبح شديدة الازدحام بحيث يتعذر على السائقين استخدامها.

Translation into English: (6 M)

The state is greatly interested in scientists and awards them a lot of prizes on national occasions.

With Best Wishes