

EASTERN UNIVERSITY OF SRI LANKA

FIRST YEAR / FIRST SEMESTER EXAMINATION IN AGRICULTURE-  
2004 / 2005

ENG - 1101 - ENGLISH LEVEL - I

INDEX NO. ....

TIME : 02 HOURS

ANSWER ALL QUESTIONS ON THIS PAPER ITSELF.

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FOR EXAMINER'S USE ONLY.

<u>QUESTION NUMBER</u>	<u>MARKS OBTAINED</u>	<u>MAXIMUM MARKS</u>
01	.....	20
02	.....	20
03	.....	25
04	.....	35
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TOTAL	-----	-----

EXAMINER'S NAME : .....

EXAMINER'S SIGNATURE : .....

DATE : .....

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Q.I. Fill in the blanks with suitable **Verb Forms** in the present tense.

Eg: Mercury is a metal.

- a. Computer \_\_\_\_\_ the most useful machine among other recent inventions.
- b. Researches \_\_\_\_\_ a very important part in the academics career.
- c. Green plants \_\_\_\_\_ carbohydrate by the process of photosynthesis.
- d. Microbes \_\_\_\_\_ diseases to all living beings.
- e. DNA \_\_\_\_\_ only in the nucleus of a cell.
- f. Information communication technology \_\_\_\_\_ a vital role in the modern world.
- g. Thermometers \_\_\_\_\_ to measure the body temperature of patients.
- h. Scientists \_\_\_\_\_ to find out treatments for the AIDS for a long time.
- i. Global warming \_\_\_\_\_ a serious problem since industrialization.
- j. Ozone layer \_\_\_\_\_ the earth from UV rays.

[10X 2 = 20 marks]

Q.II. Rewrite the following sentences by using the correct tenses & forms of the verbs given in brackets.

Eg: The Binomial System of Classification (establish) by Linnaeus.

The Binomial System of Classification was established by Linnaeus.

- a. Specimens [collect] for the detail study of the characteristics of plants.  
\_\_\_\_\_
- b. Radium [discover] by Madam Marie Curie a long time before.  
\_\_\_\_\_
- c. The ozone layer [affect] by the gases used in industries.  
\_\_\_\_\_

- d. The first law of Thermodynamics [call] the Law of Conservation.  
\_\_\_\_\_
- e. The movements of the body [control] by the brain.  
\_\_\_\_\_
- f. Food items [preserve] chemically also.  
\_\_\_\_\_
- g. Plant and animal ~~tissues~~ [make] ~~of cells~~.  
\_\_\_\_\_
- h. The nature of moving electricity [explore] by Ampere.  
\_\_\_\_\_
- i. Water [absorb] by roof hairs by a process of osmosis.  
\_\_\_\_\_
- j. Mercury [know] as quicksilver in the past.  
\_\_\_\_\_

[10 X 2 = 20 marks]

Q.III. Write meaningful and grammatically correct sentences using the given words / phrases below.

Eg: Consist / s of: The classrooms consist of roof, walls, floor and doors.

- a. include / s : \_\_\_\_\_  
\_\_\_\_\_
- b. on the left : \_\_\_\_\_  
\_\_\_\_\_
- c. beside : \_\_\_\_\_  
\_\_\_\_\_
- d. at the bottom: \_\_\_\_\_  
\_\_\_\_\_
- e. at the top: \_\_\_\_\_  
\_\_\_\_\_
- f. contain / s: \_\_\_\_\_  
\_\_\_\_\_
- g. in the middle: \_\_\_\_\_  
\_\_\_\_\_

- h. is / are connected to: \_\_\_\_\_  
\_\_\_\_\_
- i. is / are supported by: \_\_\_\_\_  
\_\_\_\_\_
- j. is / are fitted over: \_\_\_\_\_  
\_\_\_\_\_

[10 X 2 ½ = 25 marks]

Q.IV. Read the following text and answer the questions on it.

Energy is one of the basic necessities of humans. We need energy in its various forms and various theories have been propounded and experiments conducted for the proper consumption, production and preservation of energy.

With the demand for energy increasing, scientists are making headway in their endeavors to find new sources of energy. The concept of renewable energy has become quite popular in the last two or three decades.

Various methods of generating renewable forms of energy have been introduced in the recent past. One concept that is fast gaining ground is that of the biogas. Biogas is used as a renewable source of energy, which utilizes available natural resources for its production.

Biogas can be described as a combination of various gases, usually carbon dioxide and methane. Though both these gases support combustion, methane is sometimes referred to as biogas. Methane is generated anaerobically through the process of fermentation, in which certain micro-organisms of different types act on organic material like manure, mud and solid waste. These methane-producing micro-organisms are not just able to live without oxygen, but they can also digest cellulose, which is the main constituent of plant fiber.

These microbes are very responsive to environmental conditions like temperature, acidity and water. Animals which consume plants, like grazing creatures, produce considerable amount of biogas. That is, the microbes present in their digestive systems produce biogas.

Biogas is also produced in swamps and at the bottom of lakes where, under wet conditions, organic matter is generated which decays under anaerobic conditions.

01. a. Why are experiments conducted?

\_\_\_\_\_

b. What has become popular in the earlier decade?

\_\_\_\_\_

- c. What is the renewable form of energy introduced?  
\_\_\_\_\_
- d. How is biogas produced?  
\_\_\_\_\_
- e. How can biogas be described?  
\_\_\_\_\_
- f. How is methane generated?  
\_\_\_\_\_
- g. What is cellulose?  
\_\_\_\_\_
- h. What are the environmental conditions that the microbes are responsive to?  
\_\_\_\_\_
- i. Where is biogas produced?  
\_\_\_\_\_
- j. Give a suitable title to the text.  
\_\_\_\_\_

[10 X 1 = 10 marks]

02. Find equivalents from the text to the following words / phrases.

- a. protection : \_\_\_\_\_
- b. efforts : \_\_\_\_\_
- c. period of ten years: \_\_\_\_\_
- d. In the absence of oxygen: \_\_\_\_\_
- e. Waterlogged land: \_\_\_\_\_

[5 X 1 = 05 marks]

03. Underline similar words / phrases from the brackets for the words / phrases given below.

- a. headway [use, progress, trying]
- b. concept [idea, ability, plan]
- c. combination [selection, rejection, collection]
- d. consume [eat, grow, maintain]
- e. microbes [animals, micro organisms, macrobes]

[5 X 1 = 05 marks]

