

11 OCT 2014

EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN AGRUCULTURE – 2011/2012
(REPEAT) (DECEMBER 2013)

EN 1101 – ENGLISH (LEVEL – I)

Time : 02 hours

Index No

Answer all questions on this paper itself.

Write neatly and clearly.

For Examiner's use only

Question Number	Maximum Marks	Marks Obtained
I	20
II	10
III	10
IV	15
V	10
VI	20
VII	15
	100

Examiner's Name :

Examiner's Signature :

Date :

Q1. 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 invention
- (b) Research 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 m 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.

(10x2=20 M)

Q2. Write appropriate sentences using the following words of S.I. Unit by following the example given below.

Eg. The degree Celsius is a unit of temperature

- i. The joule.....
- ii. The newton.....
- iii. The gram or kilogram.....
- iv. The watt
- v. The litre
- vi. The second

- vii. The cubic centimeter.....
- viii. The volt.....
- ix. The ampere.....
- x. The ohm.....

(10x1=10 Marks)

Q3. Rearrange the following words and phrases in a meaningful way and rewrite them in the space given.

(i) above the earth / refrigerators / damages the ozone layer / used in / chlorofluro carbon

.....

.....

(ii) good conductors / such as / are / silver, copper, gold /and/ many / metals / aluminium

.....

.....

(iii) before the thunder / lightning / sound waves / so / as quickly as / light waves / do not travel / can be seen

.....

.....

(iv) during / CO_2 / take in / photosynthesis / plants / from the air

.....

.....

(v) trees / will upset / and / their destruction /the balance of CO_2 / in the atmosphere / in future / use / CO_2

.....

.....

(5x2=10 marks)

Q4. Cloze Text

Find the correct form of the verb which is given in brackets and complete the following

Food prices have been increasing around the world. Asia has been particularly affected due to the rise in the price of rice and other essential consumer goods. Several reasons have been (1)for the rise in (2) prices. Some crops are being (3).....for generating bio-fuel. Theclimate patterns have adversely affected (5) droughts and floods continue to (6)crops. (7) grain in the manufacture of ethanol as a (8)for petroleum has driven up food prices.

The government has initiated a (9)”Let us grow more food to develop the nation. Likewise governments around the world are proposing implementing (10) to the “food riots”.

use	solutions	changing	used	program
global	destroy	agriculture	cited	substitute

(1x1.5=15 Marks)

Q5. Select appropriate prepositions to fill the gaps and complete the following text, choose from the list below, you may use a preposition more than once:

Organic farming is a form of agriculture which avoids or largely excludes the use of synthetic fertilizers and pesticides, plant growth regulator and livestock additives. Organic farmers depend (2) Crop rotation, crop residue, animal manures and mechanical cultivation (3)maintain soil productivity and tillage to supply plant nutrients and (4) control weeds, insects and other pests.

According to the International Organic Farming Organization (IFOAM), the (5).....organic agriculture whether (6)farming process

distribution or consumption, is to sustain and enhance the health of ecosystem and organisms from the smallest (7)..... the soil (8) Human beings.

Organic farming includes nitrogen self sufficiency (9) the use (10) legumes and biological nitrogen fixation as well as effective recycling of organic materials including crop residues and livestock manures.

to	in	of	thorough	on
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(1x10=10 Marks)

Q.6. 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.

.....

[10x1=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 :

[5x1=05 Marks]

Q3. 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]

(1x 5=5 Marks)

Q7. Write a short description about **one** of the following.

Use about 100 and 150 words.

- (i) **Semester Activities** of undergraduates in the Faculty of Agriculture
- (ii) **Your First Day Experience** at the University.
- (iii) **Proficiency in English course** that you enjoyed learning in the First year.

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(15 Marks)