EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR FIRST SEMESTER EXAMINATION IN SCIENCE – 2015/2016
(July/October 2017)

ENGLISH LEVEL- I

Time: 02Hours

No: .....

uctions to the candidates:

1. Answer all the questions on this paper itself.
2. Marks will be deducted for spelling errors and grammatical mistakes.
3. This paper consists of 06 pages.

Examiner's use only

Question Number	Maximum Marks	Marks Obtained
1	30	.....
2	20	.....
3	10	.....
4	20	.....
5	20	.....
	100	

Q 01) Read the passage and answers the question given below.

The United States currently relies heavily on coal, oil, and natural gas for its energy. Fossil fuels are non-renewable, that is, they draw on finite resources that will eventually dwindle, becoming too expensive or too environmentally damaging to retrieve. In contrast, the many types of renewable energy resources such as wind and solar energy are constantly replenished and will never run out. Most renewable energy comes either directly or indirectly from the sun. Sunlight, or solar energy, can be used directly for heating and lighting homes and other buildings, for generating electricity, and for water heating, solar cooling, and a variety of commercial and industrial uses. The sun's heat also drives the winds, whose energy, is captured with wind turbines. Then, the wind and the sun's heat cause water to evaporate. When this water vapor turns into rain or snow and flows downhill into rivers or streams, its energy can be captured using hydroelectric power. Along with the rain and snow, sunlight causes plants to grow. The organic matter that makes up those plants is known as biomass. Biomass can be used to produce electricity, transportation fuels, or chemicals. The use of biomass for any of these purposes is called bio energy. Hydrogen also can be found in many organic compounds, as well as water. It's the most abundant element on the Earth. But it doesn't occur naturally as gas. It's always combined with other elements, such as with oxygen to make water. Once separated from another element, hydrogen can be burned a fuel or converted into electricity.

Not all renewable energy resources come from the sun. Geothermal energy taps the Earth's internal heat for a variety of uses, including electric power production as well as the heating and cooling of buildings. And the energy of the ocean's tides comes from the gravitational pull of the moon and the sun upon the Earth. In fact, ocean energy comes from a number of sources. In addition to tidal energy, that's the energy of the ocean's waves, which are driven by both the tides and the winds. The sun warms the surface of the ocean more than the ocean depths, creating a temperature difference that can be used as an energy source. All these forms of ocean energy can be used to produce electricity. Renewable energy technologies are clean sources of energy that have a much lower environmental impact than conventional energy technologies. Renewable energy will not run out ever. Other sources of energy are finite and will someday be depleted.

(http://www.renewableenergyworld.com/index/tech.html)

01. Mention 5 different types of renewable energy resources?

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Marks:05

02. What do you understand by "Renewable Energy?"

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Marks:04

03. Why renewable Energy is important?

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_____

Marks:04

04. Suggest a suitable title for this passage.

_____

Marks:05

05. What do you understand by the word

A) Finite (line 2) _____ Marks:03

B) Generating (line 7) _____ Marks:03

C) Abundant (line 15) _____ Marks:03

D) Conventional (line 28) _____ Marks:03

(Total Marks: 30)

Q 02) Read the following sentences where one word is incorrect. Write the correct word in the bracket.

A) Active /passive

1. The technician has broke the test tube. (.....)
2. Water boil at 100 degree Celsius. (.....)
3. I meet my wife in 2005. (.....)
4. I did not brought my umbrella. (.....)
5. New cars have been produce by the company. (.....)

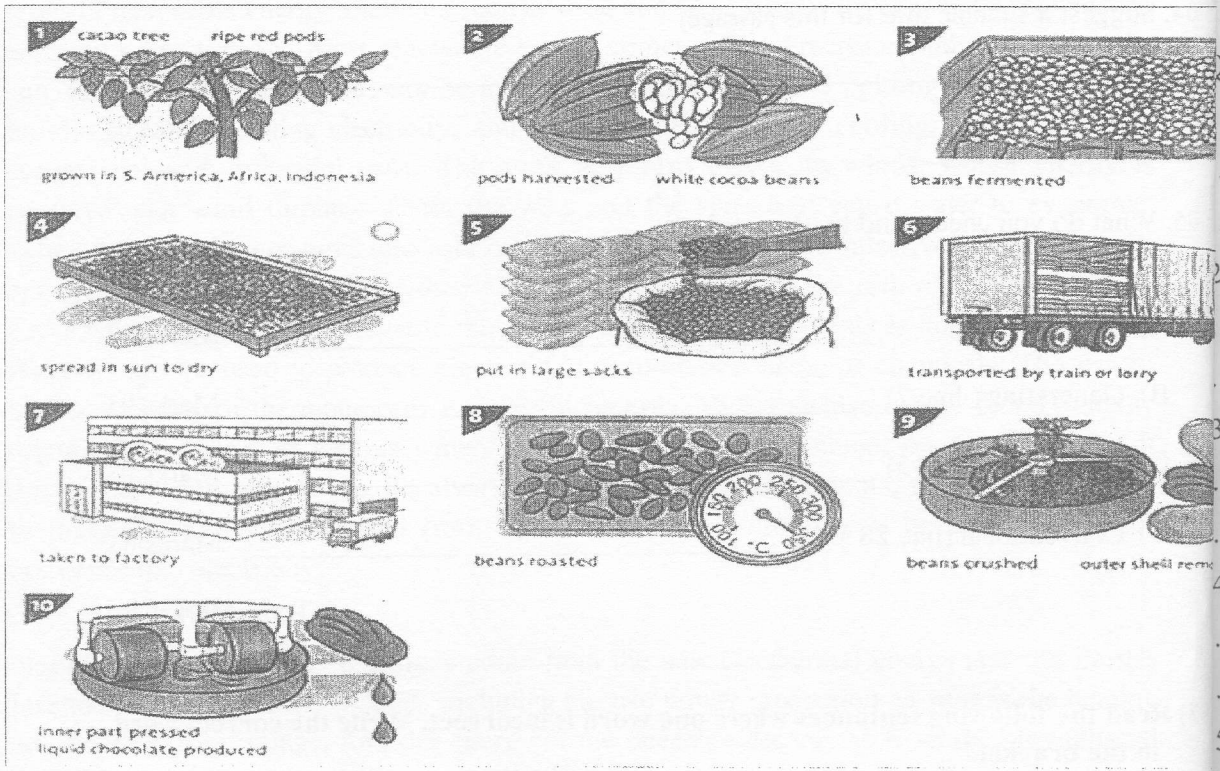
Marks: 5 x 2 = 10

B) Preposition

01) He usually travels to university with train (.....)
02) My bus departs in 8.00 A.M (.....)
03) I'll see you in home when I get there. (.....)
04) He is preparing at an examination (.....)
05) John has recovered with a serious illness (.....)

Marks: 5 x 2 = 10
(Total Marks: 20)

Q 03) The following illustration shows how chocolate is produced. Write a paragraph by summarizing the information using about 90 words.



(Total Marks: 10)

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Q 04) Write meaningful sentences using the phrases given below:

1. renewable energy

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2. temperature control

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3. scientific advancements

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4. research findings

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5. Science Faculty

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6. Nano- Technology

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7. Research Publications

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8. Information Communication Technology

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9. Waste Management

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10. Data Collection

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(Total Marks: 10 x 2 = 20)

Q 05) Write a composition on one of the followings:

1. Renewable energy sources
2. Environmental pollution
3. A scientist you admire and the contribution to the world of science

Word Limit: 200

(Total Marks: 20)

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