The Open University of Sri Lanka
B.Sc / B.Ed Degree Programme- Level 04 - 2011/2012
PCU2104 – Environmental Studies
Assessment Test 1 (Open Book Test)

Duration - One (01) hour **Reg.No. .....**

Date: 11th March 2012 **Time: 4.00 – 5.00 pm**

Answer all questions on this paper itself.

There are four (04) question and four (04) pages in this question paper.

01. Given below include both true and false statements. Indicate the true statement by writing **"T"** and false statement by writing **"F"** in the space given in front of each statement.

i. The movement of lithospheric plates is called "plate tectonics". (.....)

ii. Sedimentary rocks are formed when molten magma cools and solidifies. (.....)

iii. The Sun generates energy by nuclear fusion reaction that burns hydrogen into helium. (.....)

iv. Group of organisms that interbreed with each other and produce healthy and fertile off springs are known as a population (.....)

v. The complicated interconnected feeding relationships in an eco system are known as "food chains". (.....)

vi. The Nitrogen fixing bacteria become activated in the presence of Nitrogen fertilizers (.....)

vii. Potentially renewable resources can be converted into non renewable resources if used faster than they are renewed. (.....)

viii. The fossil fuels and biomass contain stored solar energy. (.....)

ix. The temperate oceans are more productive than the tropical oceans because a permanent thermocline does not exist (.....)

x. The two most common types of gaseous biofuels are ethanol and biodiesel .(.....)

02 Give the most suitable term that describes the following statements:

i. The water bearing porous layer of sand, gravel or rock lying below the water table.

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ii. The vibrations of the earth's crust that occurs when a strain in the crust is suddenly released by displacement along a fault. .....

iii. The process by which rocks are broken down into fine, smaller particles .....

iv. Small droplets of water condense on a cool surface from water vapour in the air

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v. The gently sloping sea bed that extends out to sea beyond the shore. .....

vi. A food chain starts directly from the living plants. .....

vii. The cycling of elements through all four spheres. .....

viii. Naturally occurring , inorganic, solid elements or compounds. .....

ix. An organism's "feeding status" in an ecosystem. .....

x. The active and passive collection of solar radiation as heat. .....

03 Give **two (02)** major differences between each of the following. No diagrams are required.

i.

Troposphere	**Stratosphere**
(1)	(1) .....
.....	.....
(2)	(2) .....
.....	.....

ii.

Weather	**Climate**
(1)	(1) .....
.....	.....
(2)	(2) .....
.....	.....

.iii

Pyramids of number	**Pyramids of energy**
(1)	(1) .....
.....	.....

(2) ..... (2) .....

....

iv. **Community** **Ecosystem**

(1) ..... (1) .....

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(2) ..... (2) .....

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04. i. What are wetlands?

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ii, "Wetlands are not wastelands" explain this statement.

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