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The Open University of Sri Lanka
B.Sc./B.Ed Degree Programme - Level 05 – 2016/17
PCU3104 – Environmental Studies
Assessment Test I(Open Book Test)

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

Date: 30th September 2017 **Time: 10.30 – 11.30 a.m.**

Answer all questions on this paper itself.

There are four (04) questions and six (06) pages in this question paper.

01. a. Distinguish between an earthquake and a tsunami.

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b. What are the factors that could trigger the mass movement of soil?

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c. Define the three(03) types of ocean basin topographic units.

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2. a. What are the major types of Community interactions?

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b. Distinguish between primary succession and secondary succession.

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c. How do you separate a habitat from a niche?

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d. "A realized niche is always a part of a fundamental niche". Give reasons.

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3. a. Explain briefly how you categorise organisms in a population based on their feeding status?

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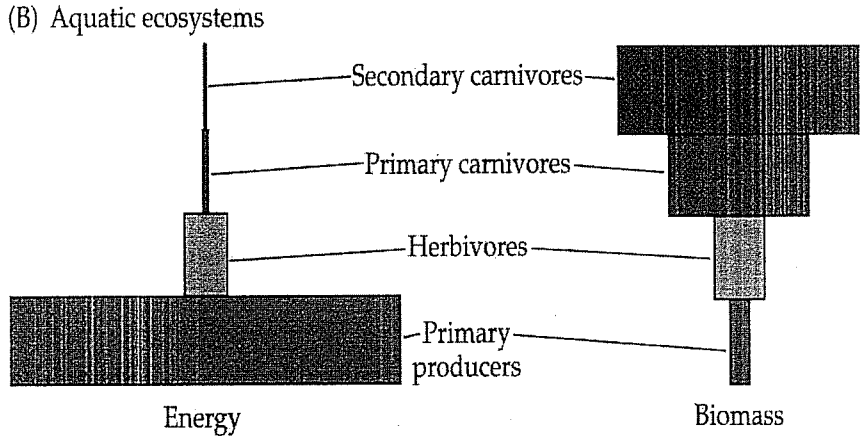
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b. How do you explain the diagram given below based on your knowledge on energy and biomass pyramids? (You may use suitable examples)



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c. What do you mean by "biogeochemical cycling of nutrients"?

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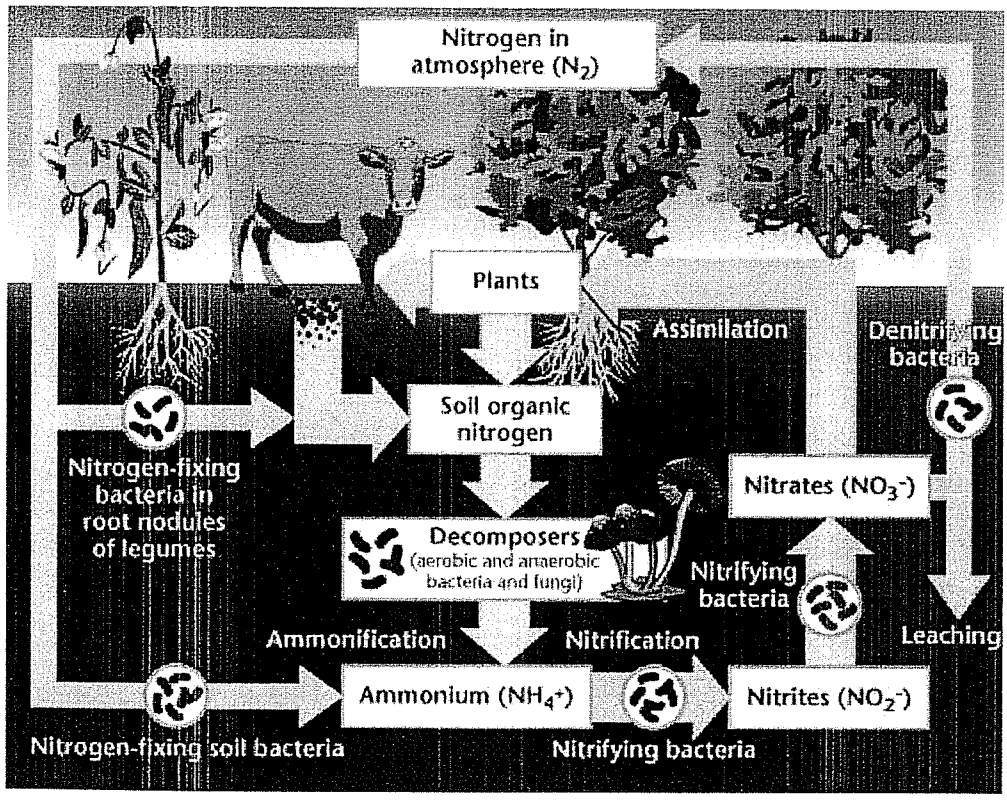
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d. The diagram below illustrates how Nitrogen is circulated in the ecosystem.



i. List four major events of the above cycle that are driven by microorganisms.

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ii. State the significance of the above cycle in nature.

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4. a. What do you mean by "environmental resources"?

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b. List the three major groups of environmental resources.

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c. What are the ways of forming mineral resources?

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d. List five(05) environmental impacts due to mining and processing of mineral resources.

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