

THE OPEN UNIVERSITY OF SRI LANKA

B.Sc./B.Ed. DEGREE PROGRAMME – LEVEL 03

BOTANY

BTU 1120/BTE 3120/NSU 1120/BTI 3120 - ENVIRONMENTAL STUDIES

ASSESSMENT TEST II (NO BOOK TEST)

DURATION : ONE (01) HOUR.



Registration No.....

DATE : 25th October 2008

TIME: 3.00 p.m. – 4.00 p.m.

Answer all the questions on this paper itself.

1.

1.1 Give three reasons for the increasing of human population size with industrialization.

- i.
- ii.
- iii.

1.2 State three social transformations that occurred in the initial industrial societies.

- i.
- ii.
- iii.

1.3 Name the two industries that advanced rapidly during the industrial revolution.

- i.
- ii.

1.4 What do you mean by “population density”.

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1.5 Define the term “general fertility rate”

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2.

2.1 Give three factors that cause loss of biodiversity.

- i.
- ii.
- iii.

2.2 “Biodiversity is important from many angles”. Give two reasons to justify this statement.

- i.
- ii.

2.3 State two negative and two positive impacts of monocultures.

- Negative .
 - i.
 - ii.
- Positive
 - i.
 - ii.

3.

3.1 What are the methods employed in the disposal of solid wastes.

- i.
- ii.
- iii.

3.2 What kinds of environmental problems arise due to the release of solid wastes into water bodies?

- i.
- ii.
- iii.

3.3 Give one health problem of each of the following water pollutants .

- i. Lead
- ii. Mercury
- iii. Pesticides

4.

4.1 Define "Atmospheric pollution".

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4.2 Name the atmospheric layer where air circulation patterns exist.

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4.3 Name five (5) factors that influences the spread of air pollutants.

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5.

5.1 Give two ways by which chemical substances cause the degradation of arable lands.

- i.
- ii.

5.2 What is meant by the "salinization of the dry zone lands of Sri Lanka".

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5.3 State three (3) properties of soil which are affected by soil erosion.

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6.

6.1 Define the term “sustainable development”

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6.2 Name the management tools/conventions/agreements used to control the following.

i. Adverse effects of industrial activity.

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ii. Environment pollution of Sri Lanka.

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iii. Release of Ozone.

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iv. Destruction of the water fowl habitants.

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