

THE OPEN UNIVERSITY OF SRI LANKA

DIPLOMA IN ENVIRONMENTAL SCIENCE – 2016/2017

SOCIOLOGICAL ASPECT AND ENVIRONMENTAL ECONOMICS - BYD 1110/3310

FINAL EXAMINATION 2016 /2017

1118



Duration – Two (02) hours

Reg. No.

Date: 19th May 2018

Time: 1.30 p.m. - 3.30 p.m.

The paper consists of six (06) questions.

Answer 04 (four) questions only.

(1)(a). What do you understand by the term “Environment” and write its main components.

(b). “Ancient people lived in harmony with the environment”. Explain this statement.

(2)(a). What do you mean by industrial revolution?

(b). Environmental degradation is a huge problem at present. Describe the major reasons for this and how it happens.

(3) (a). Briefly explain Pigouvian tax on negative externalities using a suitable example.

(b). What are the advantages and disadvantages of taxes on car production.

(c). Government pay subsidies for solar panel producing companies and public transport.

Explain.

(4) (a). Explain concepts of demand, supply and market equilibrium using a diagram.

(b). What is meant by externalities and explain them with suitable examples.

(c). Explain how does negative externalities affect on supply, demand and market equilibrium.

(5) (a). What do you mean by the term environment economics?

(b). Describe the material balance model in environment economics.

(c) Briefly explain how a production activity, such as agriculture, might impact upon the environment.

(6) Write short notes on followings.

(a). Energy providing resources.

(b). 3 R system

(c) Market based instruments (MBIs) for pollution control.

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