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RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES, MIHINTALE

B.Sc. (General) Degree in Applied Sciences
Third year – Semester II Examination - May/April 2016

DEVELOPMENT VS ENVIRONMENT – BIO 3206

Time: Two (02) hours

Answer any four (04) of the following questions.

1. a) Elucidate the process of Environmental Impact Assessment (EIA)
b) Using suitable examples from Sri Lanka explain the importance of having an EIA for the development projects
2. Describe the concept of sustainable development with key issues that are essential in such a process.
3. a) Define the terms “Gross Domestic Product” and “Gini Index”.
b) How do you calculate GDP in a country?
c) Madagascar is a small island nation. Its total population total 400, and it has 200 wage earners who earn an average of \$60 per year. Each wage earner spends \$30 per year buying local goods and services and \$2.50 buying imports. The island exports a total of \$800 worth of goods. The Government tax rate is 10% and all government money is spent on building infrastructure and supporting schools. There is only one industry (Gem mining) on the island and it employs every wage earner. The industry spends \$600 each year on new mining equipment. Based on this information calculate the GDP of Madagascar.
4. a) What is meant by the term “Development”?
b) List the levels of development in a country.
c) Elucidate the importance of using cost benefit analysis to value the environment resources.
5. Write short notes any **two (02)** of the following
 - a) Economic impacts of land degradation in Sri Lanka.
 - b) Determinants of quality of life
 - b) Community Based Organizations (CBOs)