POST-GRADUATE DEGREE PROGRAMME

Term End Examination — December, 2024

ECONOMICS

Paper-XIII : ENVIRONMENTAL & RESOURCE ECONOMICS

Time : 2 hours]   [Full Marks : 50

Weightage of Marks : 80%

Special credit will be given accuracy and relevance in the answer. Marks will be deducted for spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Use of scientific calculator is strictly prohibited.

1. Answer any *four* of the following questions : $2\frac{1}{2} \times 4 = 10$

    a) What is tragedy of commons ?

    b) What is global warming ?

    c) Define 'green accounting' in national income.

    d) Define sustainable growth.

    e) What is externality problem in production and consumption ?

    f) What is loss of bio-diversity ?

2. Answer any *four* of the following questions : $5 \times 4 = 20$

    a) Define renewable resources and explain their effects on the environment with some examples.   2 + 3

    b) What is carbon emission in production ? How is it related to global warming ?   2 + 3

    c) Explain how taxes and subsidies can be used as policy instruments to combat pollution.

    d) What is meant by the valuation of environment ? How is it related to pollution control ?   2½ + 2½

    e) Explain, briefly, the management of common property resources by community participation.

    f) Write a brief note on pollution and public health.

3. Answer any *two* of the following questions : $10 \times 2 = 20$

    a) What are the major causes of environmental degradation ? What policy measures do you suggest to control pollution ?   5 + 5

    b) Examine the effect of deforestation on the environment. Explain how community management can preserve the forest and protect the environment.   4 + 6

    c) What are tradable permits in Environmental Economics ? How can these permits be used to improve the quality of the environment ?

                                                                     4 + 6

    d) What are the different methods of valuation of the environment ? How does valuation of the environment help to formulate policies for pollution management ?   5 + 5

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