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**ECONOMICS**

( Major )

Paper : 6.3

**( Economics of Natural Resources and Sustainable Development )**

*Full Marks : 60*

*Time : 3 hours*

*The figures in the margin indicate full marks for the questions*

1. Answer the following as directed : 1×7=7

(a) What are biotic resources?

(b) What is meant by weak sustainability?

(c) Minerals are renewable resources.

( State True or False )

(d) What is the meaning of the term 'ecosystem'?

(e) Ecology and environment are synonymous.

( State True or False )

(f) Define non-renewable resources.

(g) What are potential resources?

2. Answer the following questions :  $2 \times 4 = 8$

(a) What is the basis of distinguishing renewable resources from non-renewable ones?

(b) What is green GNP?

(c) Define sustainable yield.

(d) Mention two conditions of optimal depletion of non-renewable resources.

3. Answer any *three* of the following questions :

$5 \times 3 = 15$

(a) Briefly state the concept of development-environment trade-off.

(b) Briefly explain the idea of integrated economic and environmental accounting.

(c) Discuss briefly the characteristics of renewable resources.

- (d) Write a brief note on abiotic component of the ecosystem.
- (e) Write a brief note on Hotelling model of resource depletion in a competitive market.

4. Answer the following questions :  $10 \times 3 = 30$

- (a) Discuss the main sources of environmental degradation.

Or

Discuss the concept and the conditions of optimal depletion of non-renewable resources.

- (b) Elaborate the idea of global warming and its adverse consequences.

Or

What do you mean by ozone depletion? Explain the causes behind this depletion.

- (c) Discuss about the importance of backstop resources in the price determination of non-renewable resources.

Or

Define sustainable development. Discuss in detail the various indicators of sustainable development.

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