

2016

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 :  $1 \times 7 = 7$

(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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