

2014

M.Sc. Part-I Examination

ENVIRONMENTAL SCIENCE

PAPER—I

Full Marks : 100

Time : 4 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give that answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any five questions from the rest.

1. Answer any ten from the following : 10×2

- (i) Mention the year and venue of first UN conference on Environment and Development.
- (ii) Define 1st law of thermodynamics.
- (iii) Define Ecology.

(Turn Over)

- (iv) Mention the major habitats of earth from ecological stand point.
- (v) What is the scientific name of Peking man?
- (vi) What is ecosystem?
- (vii) Define 'Noo system'.
- (viii) What is ecological succession?
- (ix) Mention any two features of primate.
- (x) Mention any two features of anthropoids.
- (xi) Mention any two features of new world monkey.
- (xii) Mention any two characters of Peking man.
- (xiii) What is central place theory?
- (xiv) What is crude birth rate?
- (xv) What is total fertility rate?

2. Write in brief about structure of ecosystem. State the relationship between ecosystem and food chain. 8+8
3. Discuss in brief about Old-world monkeys and New-world monkeys. 8+8
4. Discuss in brief about Man's place in the animal kingdom. State the differences between man and ape. 8+8
5. Write briefly about location theory of Losch and give a comparison of Christaller and Losch. 10+6
6. Describe the internal constitution of earth. 16
7. Discuss in brief about distribution of water and functions of hydrosphere. 10+6
8. Define environmental system and discuss in brief about functioning of environmental systems. 16

9. Write a note on any two of the following : 8×2

- (i) Social behaviour in human evolution.
 - (ii) Settlement hierarchy.
 - (iii) Forest resource in India.
 - (iv) Classification of resource.
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