

M.Sc. Part-I Examination, 2013

ENVIRONMENTAL SCIENCE

PAPER — I

Full Marks : 100

Time : 4 hours

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

The figures in the right-hand margin indicate marks

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

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

(i) Mention the name of the author of the book. Entitled Silent Spring.

(ii) What is ecosphere ?

(iii) Mention the year and venue of the first WN Conference on the Human Environment.

- (iv) What are the abiotic components of ecosystem.
- (v) What do you mean by a system ?
- (vi) Mention any two features of prosimians.
- (vii) Mention the name of great apes.
- (viii) Mention any four features of Homo sapiens-sapiens.
- (ix) Define human settlement.
- (x) Mention the factors responsible behind formation of early human settlement.
- (xi) What is doubling time ?
- (xii) Mention the types of population growth curve found in nature.
- (xiii) What is eco-sphere ?
- (xiv) Differentiate between stratopause and mesopause.

- (xv) What is adiabatic changes ?
- (xvi) Define resource.
- (xvii) What do you mean by non-renewable resources ?
2. The study of environmental science is essential for our survival. Discuss. 16
3. Classify primate and state the characteristic features of primate. 16
4. Discuss in brief about General, External and skeletal characters of man. 16
5. Discuss with the help of diagram arrangement and the principles in the arrangement of central place and the criticism of the principles. 16
6. Write in brief about demographic trends in Developed and Developing countries and global population growth trend. 16
7. Write with the help of sketches on boundary of the earth's layer and composition of the earth. 16

8. Write an essay on concept of Entropy. 16
9. Write short notes on any *two* of the following : 8×2
- (i) Renewable Resource
 - (ii) Forest Resource
 - (iii) Physiology of Environment
 - (iv) New World monkey.