

2015

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 name of the author of the book entitled "Silent Spring"?

(Turn Over)

- (ii) Mention the year and the place of "World Summit on Sustainable Development".
- (iii) What do you mean by Biodiversity ?
- (iv) Write the Haeckel's definition of Ecology.
- (v) What is Autotrophs ?
- (vi) What is Decomposers ?
- (vii) What do you mean by old world ?
- (viii) Mention any two features of Gibbon.
- (ix) Mention any two features of human skeleton.
- (x) Mention any two features of Java man.
- (xi) Define human settlement.
- (xii) What do you mean by doubling time ?
- (xiii) What is Total Fertility Rate ?

- (xiv) What is Troposphere ?
- (xv) What is Adiabatic changes ?
2. Define Environmental Science and discuss about the principles and scope of environmental science. 4+6+6
3. Give the classification of Primate and state the characteristic features of primate. 10+6
4. Discuss in brief about the salient features of Gorilla, Chimpanzee and Orang-utan. State the difference between man and the ape. 12+4
5. Write an essay on different aspects of human settlement. 16
6. Write an essay on the growth trend global population and demographic trends of the developed and developing countries. 8+8
7. Write in brief about the structure and composition of lithosphere. 16

8. Briefly discuss about the nature and functioning of environmental system. 8+4+4
9. Classify the natural resources with the help of a diagram. Mention the different aspects of renewable and non-renewable resources. 8+4+4