

M.Sc. Examination, 2017
Semester – II
Zoology
Paper – MZCT – 203
(Ecology and Conservation Biology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *any four* questions

1. What do you mean by ecotone? How do ecotone and habitat fragmentation are related?
3+7=10
 2. What is demographic transition? Describe briefly the four stages of demographic transition. How is ecological footprint of human being calculated?
2+4+4 =10
 3. What do you mean by ecological efficiency? Describe two density dependent and two density independent factors and their roles in population regulation.
2+4+4=10
 4. What is diversity gradient? How do predation and environmental factors operate on diversity gradient?
2+4+4=10
 5. Global warming is a universal threat. How? Propose some instant measures to combat global warming. What could be the immediate and long term consequences of Global warming?
6+2 +2 =10
 6. Why is conservation biology regarded as integrated science? What are its basic principles? How is 'conservation' different from 'preservation'?
2+6+2 =10
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