

SH-II/Env.Sc.-202/C-4/19

B.Sc. 2nd Semester (Honours) Examination, 2019

ENVIRONMENTAL SCIENCE

(Land & Soil Conservation and Management)

Paper : SHENV-202/C-4

Course ID : 21812

Time: 1 Hr.15 min.

Full Marks: 25

*The figures in the right hand side margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions from the following: 5×1=5
- (a) Define soil resource.
 - (b) What is meant by soil pH?
 - (c) Name a few toxic organic chemicals present in the soil.
 - (d) Define land degradation.
 - (e) What ecosystem services do soil provide?
 - (f) What do you understand by the term “food security”?
 - (g) How does land salinization takes place?
 - (h) What is meant by soil health?
2. Answer *any two* questions from the following: 2×5=10
- (a) Explain different ecological and economic importance of soil.
 - (b) Explain different processes involved in development of a Laterite soil profile.
 - (c) How can a soil get polluted as a result of mining and mineral extraction?
 - (d) What are the visual indicators of soil degradation?
3. Answer *any one* question from the following: 1×10=10
- (a) Explain the role of databases and data analysis in landuse planning, control and management with the help of a suitable case study. 4+2+4=10
 - (b) What are the emerging threats of land degradation to developing countries and how can the problem be mitigated? 5+5=10
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