



UNIVERSITY OF PERADENIYA  
CENTRE FOR DISTANCE AND CONTINUING EDUCATION



FIRST EXAMINATION IN ARTS (EXTERNAL) - December 2018

Environmental Studies - (SUPE 008)

Answer any **Four** questions only

The total number of questions in this paper is 07

Time allowed: **Three hours**

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|----|-----|--|------------|
| 01 | a.  | Explain the interrelationship among biotic components of an ecosystem                                  | Marks 10   |
|    | b.  | Describe the factors that influence to change ecosystems globally                                      | Marks 15   |
| 02 | a.  | Identify five (05) major ecosystems in the world and explain their characteristics                     | Marks 10   |
|    | b.  | Select any one of them and explain the ecological importance of it                                     | Marks 15   |
| 03 | a.  | Write five (5) ecological importance of biodiversity   | Marks 05   |
|    | b.  | Briefly explain the major threats to degradation of biodiversity in the tropical region                | Marks 10   |
|    | c.  | What are the biodiversity conservation strategies adopted in Sri Lanka?                                | Marks 10   |
| 04 | a.  | Name three (03) major natural cycles in the environment  | Marks 03   |
|    | b.  | With suitable illustration, explain the function of those natural cycles                               | Marks 12   |
|    | c.  | Select one of the above cycles and explain how human activities are impact on it.                      | Marks 10   |
| 05 |     | With suitable examples describe how global climate change impact on natural environment.               | Marks 25   |
| 06 | a.  | Identify five (05) major environmental problems in Sri Lanka   | Marks 05   |
|    | b.  | Select any two from above and explain how that environmental problems impact on Sri Lankan environment | Marks 20   |
| 07 |     | Write short notes on <b>TWO</b> of the followings  |            |
|    | i   | Energy flow in the eco-system  | Marks 12.5 |
|    | ii  | Deforestation in Sri Lanka   | Marks 12.5 |
|    | iii | Human impact on natural environment  | Marks 12.5 |
|    | IV  | In-situ and ex-situ conservation methods   | Marks 12.5 |

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