



Date: 13.04.2020

Assignments**First Semester****M.Sc. in Environmental Science****(2019-20 January Batch)****Instructions:**

- Attempt all the questions.
- Write assignment for each course separately.
- There are three questions and it will be evaluated for 15 internal assessment marks.
- Field visit and Field visit report consist of 5 marks in each Course.
- The assignment shall be submitted to the address given below by post or in person on or before 30th May, 2020.

**The Chairman
DOS in Environmental Science
Karnataka State Open University
Mukthagangotri, Mysore -560 006**

ES 1.1 Environmental Chemistry

1. Illustrate application of I-order reaction in Gas-Liquid Mass-Transfer Kinetics
2. Write a brief note on general and electrical properties of colloids
3. Explain the following : 1) Acid-base titration, 2) Redox titration and 3) Precipitation titration.

ES 1.2 Environmental Earth Science

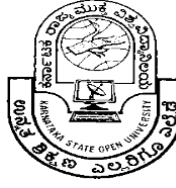
1. Describe the various textures of igneous rocks.
2. Explain the concept of residence time of particle spends in a particular system.
3. Discuss the effects of mining activities on environment.

ES 1.3 Environmental Microbiology

1. Write a note on a) Helical capsid b) Elisa
2. Describe the eutrophication and its adverse effects on water quality
1. Describe the different asexual spores of fungi. Add a note on asexual fruiting bodies.

ES 1.4 Ecology and Environment

1. What is sustainable development? Discuss the key aspects and measures of sustainable development.
2. What is Homeostasis? Explain the ecosystem regulation mechanism with Laws of Thermodynamics.
3. Explain Ecotone and Edge Effect.

KARNATAKA STATE**OPEN UNIVERSITY**

Department of Studies and Research in Environmental Science
Mukthagangotri, Mysore – 570 006

FIRST SEMESTER, M.Sc. Environmental Science**(2019-20 January)****ASSIGNMENT****COURSE TITLE:**

Name of the candidate	
Roll Number	
Date of Submission	

For Office Use only

Marks Obtained	
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Signature of The Evaluator	
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