

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Agricultural Sciences)

WARNING

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Soil Conservation and Water Shed Management (2511)

Level: M.Sc Forestry Extension

Semester: Autumn, 2012

Total Marks: 100

Pass Marks: 40

ASSIGNMENT No. 1

(Unit 1–5)

Note: All questions are compulsory.

- Q.1 How many forms of precipitation exist in atmosphere? Discuss about different ways of measuring precipitation. (20)
- Q.2 Discuss major causes of erosion. Explain common factors affecting erosion by water. (20)
- Q.3 Elaborate the main characteristics of wind and soil movement. Describe the most effective erosion control practices particularly by water. (20)
- Q.4 Being an effective erosion control method, how would you classify terraces through different types. (20)
- Q.5 Explain about the principle soil factors influencing wind erosion control. (20)

ASSIGNMENT No. 2

(Unit 6–9)

Total Marks: 100

Pass Marks: 40

Note: All questions are compulsory.

- Q.1 Define erosivity and erodibility. Also determine the effect of plant cover in reducing soil erosion. (20)
- Q.2 Explain the use and purpose of various conservation practices in minimizing erosion particularly in forests and rough lands. (20)

- Q.3 Define the term hydrology. Explain the mechanism of precipitation as underground water. (20)
- Q.4 Discuss the water quality parameters that shown to be an effective indicators of the key aspects of aquatic ecology like streams and lakes. (20)
- Q.5 Discuss the principle functions and uses of planting forest trees on soil erosion. (20)