



KERALA AGRICULTURAL UNIVERSITY
B. Tech. (Agrl. Engg.) 2021 Admission
IV Semester Final Examination – July 2023

Lwre.2206

Soil and Water Conservation Engineering (2+1)

Marks: 50
Time: 2 hours

- I Define the following (10x1=10)**
1. Water Erosion
 2. Contour bund
 3. Terrace
 4. Gully erosion
 5. Rainfall erosivity
- Fill in the blanks**
6. Rill erosion is the advanced stage of erosion.
 7. is the susceptibility of soil to get erosion.
 8. is defined as the slope length at which soil erosion begins.
 9. gullies are found in the alluvial plains.
 10. The bunds are constructed along the slope in between two side bunds.
- II Write short notes on ANY FIVE of the following (5x2=10)**
1. What are the limitations of USLE?
 2. What are the agents of erosion?
 3. What are the functions of contour bund?
 4. Enlists the factors affecting the soil erosion.
 5. What are the functions of terraces?
 6. Enlist the agronomical measures for erosion control.
 7. Enlist the problems caused due to soil erosion.
- III Answer ANY FIVE of the following (5x4=20)**
1. What is the difference between geological erosion and accelerated erosion?
 2. Give the Classification of gully, based on state of gully.
 3. What is USLE? What are the applications of USLE?
 4. Surplussing Arrangement of Counter Boned
 5. Write note on Continuous Contour trenches (C.C.T.).
 6. Explain the types of broad base terraces.
 7. What are the factors affecting the wind erosion? Explain in brief.
- IV Write an essay on ANY ONE of the following (1x10=10)**
1. Enlist the water erosion control measures. Explain in detail the agronomic measures.
 2. Explain the mechanics of Water Erosion.
