



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Agri. Engg.) 2022 & Previous Admissions
VI Semester Final Examination - June 2025

Lwre.3208

Watershed Planning and Management (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. In large watersheds the opportunity time for infiltration is
2. and length of slope affect the time of concentration.
3. Perennial streams have flow throughout the year due to the contribution from
4. When two first order streams join a stream is formed.
5. The size of a micro-watershed is
6. In the watershed code 20B of a Kerala watershed B stands for
7. The total geographical area of India is
8. In the land capability classification, land in classesare suitable for cultivation.
9. A map indicates all features of a region.
10. and GPS are efficient tools for watershed planning.

II Write short on ANY FIVE of the following

(5x2=10)

1. Filter of a RWH structure
2. Percolation ponds
3. Watershed management
4. Components of watershed development programmes
5. Watershed hydrology
6. Land use and asset map
7. Agronomic conservation measures

III Answer ANY FIVE of the following

(5x4=20)

1. How is the codification of watersheds done? Explain with examples.
2. What is the role of peoples participation in watershed planning?
3. How are streams classified? Explain stream order.
4. What is the hierarchy of watersheds?
5. What are the characters of a watershed which affects its functioning and how?
6. What are the tools used for the delination of a watershed? Explain the use of each.
7. Prepare a check-list for collection of socio-economic data of a watershed.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. What are the phases and steps in watershed management?
2. What agronomic and engineering practices can be suggested for inclusion in watershed management?
