

Principles of Irrigation and Drainage

1- Define the following terms:

Irrigation – Soil - arid and humid regions – root zone soil – drainage –
Evaporation – condensation – transportation – groundwater – transpiration –
runoff – water year

2- Why is irrigation of soil essential for plant growth?

3- What are the basic requirements for agricultural production?

4- What are the main factors irrigation depends on?

5- What are the conditions essential for success of irrigation project?

6- What are types of drainage?

7- Explain with drawing the hydrologic cycle

8- What is the importance of soil for plants?

9- Classify soil according to process of formation.

10- What are factors that permeability of soil depends on?

11- What is the importance of adequate depth of soil for plants?

12- How can saline and alkaline soils be reclaimed?