

Q2

a) Actual and Potential evapotranspiration.

⇒ Actual :- Occuring in a specific situation is called Actual evapotranspiration

potential :- If sufficient moisture is available always to meet the needs of vegetation fully covering the area

B) Field Capacity :- Maximum quantity of water that soil can retain against the gravity.

⊙ PWP :- The moisture content of a soil at which the moisture is no longer available in sufficient quantity to sustain the plant

c) Depression storage :- When precipitation take place water runs towards shallow depth depression and fill them before actual overland runoff take place.

Interception :- The amount of precipitation

water which is intercepted by vegetative foliage, building and other object on land.

d) Infiltration Capacity

The maximum rate at which given soil at a give time can absorb water is defined as Infiltration Capacity

Infiltration Rate

The velocity or speed at which water enters in to the soil. An Infiltration rate of 15mm/hour means that a water layer of 15mm on the soil surface will take one hour to infiltrate.