

UNIT-II

S.No.	Questions	BTL	CO	PO
Part-A (Short Answer Questions)				
1	State Darcy's law and its limitations.	1	2	1
2	Write the expression of permeability in stratified soils.	1	2	1
3	Differentiate between absorbed and capillary water in soils.	2	2	1
4	Explain the factors affecting the permeability of soil.	2	2	1
5	Define effective, neutral, and total stress		2	1
6	What are the uses of flow nets.	1	2	1
7	Explain quick sand condition	2	2	1
8	What are the salient characteristics of a flow net	1	2	1
9	What is darcy's law? What are its limitations?	1	2	1
10	What are the characteristics of flow nets?	1	2	1
Part-B (Long Answer Questions)				
11	Explain the factors affecting the permeability of soil	2	2	2
12	Determination of coefficient of permeability in a laboratory and Discuss their limitations.			
13	Discuss the properties and applications of flow nets and explain Quick sand phenomenon.	2	2	2
14	Describe the electrical analogy of flow net construction	3	2	2
15	Describe pumping-out method for the determination of the coefficient of permeability in the field?	3	2	3
16	Describe pumping-in method for the determination of the Coefficient of permeability in the field?	3	2	2
17	Differentiate between absorbed and capillary water in soils and what are the advantages and disadvantages of coefficient of permeability.	2	2	3

Blooms Taxonomy Level (BT): (L1–Remembering; L2–Understanding; L3–Applying; L4– Analyzing; L5–Evaluating; L6–Creating)