

UNIT-IV

S.No	Questions	BTL	CO	PO
Part–A(Short Answer Questions)				
1	Write the concept behind soil reinforcement.	L1	CO4	1
2	What are the materials required for construction of a reinforced soil structure?	L1	CO4	1
3	What are the different types of soil reinforcement materials?	L1	CO4	1
4	What are the principal requirements of a reinforcing material?	L2	CO4	2
5	Name any four applications of soil reinforcement for ground improvement.	L1	CO4	1
6	Define geosynthetics.	L1	CO4	1
7	What are the various types of geosynthetics?	L1	CO4	1
8	Name a few raw materials used in the manufacture of geosynthetics.	L1	CO4	1
9	How does the use of a geosynthetic as a filter differ from that of drainage?	L2	CO4	2
10	Write a brief note on geosynthetics as reinforcement.	L2	CO4	2
11	Define soil nailing.	L1	CO4	1
12	Describe rock bolting in a few words.	L2	CO4	2
Part–B(Long Answer Questions)				
1	With neat sketches, explain the various applications of reinforced earth for ground improvement.	L4	CO4	3
2	Explain with a flow chart the classification of geosynthetics in detail.	L4	CO4	2
3	Explain the application of geosynthetics as a separator with neat sketches.	L4	CO4	3
4	Geosynthetics can be used as soil reinforcement – Justify with supporting sketches.	L5	CO4	3
5	Explain how geosynthetics function as a filter and drainage medium with sketches.	L4	CO4	3
6	Describe the role of geosynthetics in protecting soil from contamination.	L4	CO4	3
7	Describe soil nailing and explain its applications.	L4	CO4	3
8	With neat sketches, explain the various applications of reinforced earth for ground improvement.	L4	CO4	3