

UNIT-V

S.No	Questions	BTL	CO	PO
Part–A(Short Answer Questions)				
1	Define grouting.	L1	CO5	1
2	Write the applications of grouting.	L1	CO5	1
3	Write the various types of grouting.	L1	CO5	1
4	What are the different types of grouts?	L1	CO5	1
5	Name the different methods of grout injection.	L1	CO5	1
6	What are the two methods of mechanical stabilization?	L1	CO5	1
7	How is stabilization of soil achieved by cement?	L2	CO5	2
8	What are the methods adopted in construction of stabilized roads?	L2	CO5	2
9	What are the various stages of action in lime stabilization?	L2	CO5	2
10	Write the various classes of chemicals used in soil stabilization.	L1	CO5	1
Part–B(Long Answer Questions)				
1	Describe the various methods of grouting with neat sketches.	L4	CO5	3
2	Write short notes on (a) Pre-grout investigation (b) Grout hole patterns (c) Selection of grout characteristics.	L3	CO5	2
3	Explain the grouting plant, equipment and procedure for carrying out grouting operations.	L4	CO5	3
4	Write a detailed note on various grout injection methods.	L4	CO5	3
5	What is grout injection measurement? Why is grout monitoring necessary?	L4	CO5	3
6	Describe the various applications of grouting.	L4	CO5	3
7	Explain the different methods of mechanical stabilization.	L4	CO5	3
8	Write detailed notes on (a) Portland Cement Stabilization (b) Bituminous Stabilization.	L4	CO5	3
9	Describe how chemicals are used in stabilizing soils with a suitable example.	L5	CO5	3
10	Explain in detail the stabilization of expansive soils.	L5	CO5	3

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