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School of Engineering**B.TECH Civil Engineering
Mid Term Examination - May 2024****Duration : 90 Minutes
Max Marks : 50****Sem VI - G1UA604T - Ground Improvement Techniques**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Name types of geotextiles used in civil engineering K2 (2)
- 2) Explain in brief the various methods of ground improvement. K1 (3)
- 3) Give basic mechanism of reinforced earth K2 (4)
- 4) Explain the aspects of grouting K2 (6)
- 5) Write note on soil nailing K3 (6)
- 6) Explain in detail about the types of reclaimed soils K3 (9)
- 7) Tabulate the geotechnical problems and the possible causes K4 (8)

- 8) Illustrate the working procedure of compaction grouting with required sketch. K4 (12)

OR

Describe in detail various material composites required in the construction of any reinforced soil structure. Give applications of soil reinforcement for ground improvement K4 (12)