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School of Engineering
M.TECH Transportation Engineering
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - G1PD206T - Highway construction practices

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) Write short note on the softening point test. K2 (2)
- 2) What are the uses and limitations of Bull dozer for highway construction? K1 (3)
- 3) What are the uses and limitations of vibratory rollers? K2 (4)
- 4) List the requirements and specifications of the drainage layer for highway pavements. K2 (6)
- 5) Explain the objectives, type of material and method of application of prime coat. K3 (6)
- 6) List the design elements of a highway embankment and mention functions of each. K3 (9)
- 7) Mention the construction steps and quality control tests for construction of 500 mm thick soil subgrade. K4 (8)
- 8) Mention the specification of materials, construction steps and quality control checks for laying pre-mix carpet with seal coat. K4 (12)

OR

- Mention the specification of materials, construction steps and quality control checks for laying mix seal surfacing K4 (12)