

School of Civil Engineering

Civil Engineering

ETE - Jun 2023

Time : 3 Hours

Marks : 50

Sem VI - BCE01T3602 - Transportation Engineering-II

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. What do you mean by tides and waves K2 CO5 (2)
2. Define fastenings. K1 CO1 (2)
3. Define the term sleeper density K2 CO3 (2)
4. What is Stress in the Railway track K1 CO2 (2)
5. Enlist the main components of an airport K2 CO4 (2)
6. Write short notes on warning signals and shunting signals K3 CO2 (5)
7. Discuss the factors affecting the choice of particular gauge K3 CO1 (5)
8. Explain the function of stop signals in railway operations and their importance in ensuring safety K4 CO6 (6)
9. Discuss about simple right-hand and left-hand turnout and show its various component parts
Also Discuss the working principle of the turnout K5 CO4 (8)
10. Discuss about rails and also explain various types of rails with neat sketches K4 CO3 (8)
11. Explain the concept of a safety area and how it contributes to the overall safety of airport operations, highlighting the role of airport obstructions in this regard K5 CO5 (8)