

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Engineering (Department of Civil Engineering) Backlog Examination, June 2023 [Programme: M. Tech in Transportation Engineering] [Semester: II] [Batch:]				
Course Title: Highway construction practices		Max Marks: 100		
Course Code: MTPE6015		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Explain the different layers of highway construction	K2	CO1	5
2.	Explain Water Bound Macadam (WBM) in details.	K2	CO2	5
3.	Explain Cement Concrete Constructions.	K2	CO3	5
SECTION-B (40 Marks)		10 Marks each		
4.	Explain Wet Mix Macadam (WMM) in details	K3	CO2	10
5.	Explain Dry Lean Concrete and its uses in details.	K3	CO3	10
6.	Explain the concept of Stabilized Roads in details	K4	CO4	10
7.	Explain different types of joints OR Discuss the components of Expansion Joints	K3	CO5	10
SECTION-C (45 Marks)		15 Marks each		
8.	Elaborate the method of construction of joints in concrete pavement	K3	CO3	15
9.	Discuss how Geotextiles improve safety and stability of highway embankments.	K2	CO4	15
10	Discuss the difference between Water Bound Macadam (WBM) & Wet Mix Macadam (WMM) OR Differentiate between Bituminous Construction and Cement Concrete Constructions	K6	CO5	15

Template 1

Course outcomes: Students will be able to		
COs	K level	
CO1		
CO2		
CO3		
CO4		

- Note: 1. Q1 to Q4 from K1/K2.**
2. Q5 to Q8 from K3/K4.
3. Q9 to Q10 from highest knowledge level.