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Department of Research & Development
Mid - Term Examinations - SEPTEMBER 2024

Odd Semester: Ph.D. Course Work	Date: 28 /09/2024
Course Code: CIV825	Time: 10:00am – 11:30am
Course Name: Rail Safety and Management (RSM)	Max Marks: 50
Department: CIVIL Engineering	Weightage: 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 5 marks.		4Qx5M=20M
1	What risk reduction measures can be implemented to prevent railway disasters?	5 Marks
2	Briefly discuss the classification of railway accidents.	5 Marks
3	What are some emergency methods for restoring railway traffic after an accident?	5 Marks
4	Analyze the causes and effects of derailments, and propose effective prevention strategies.	5 Marks

Part B

Answer ALL Questions. Each question carries 15 marks.		2QX15M=30M
5	Examine the Odisha train collision case study, focusing on the causes and lessons learned for improving rail safety.	15 Marks
6	Discuss the disaster management process in railways, including preparedness, rescue, and relief measures.	15 Marks