

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Transportation Engineering-II****Sub. Code: 67750/84747/84932****Day and Date: Wednesday,10-12-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM****Instructions:** 1. Draw neat labelled diagrams wherever necessary
2. Figures to the right indicate full marks**Special Inst.:** Q.4 AND Q.8 are compulsory.
Attempt any two questions from Q.1,2,3 And from Q 5,6,7

- Q1)** Attempt all the questions [10]
- a. Draw a neat sketch and describe component parts of an aircraft. [5]
- b. Write a detailed note on various Airport Surveys. [5]
- Q2)** Attempt all the questions [10]
- a. Write a short note on: Transit Shade [5]
- b. Explain classification of airports [5]
- Q3)** Attempt all the questions [10]
- a. Explain 'Dry Docks' with a neat sketch [5]
- b. Explain the concept of 'Littoral Drift' [5]
- Q4)** Attempt all the questions [15]
- a. Write a short note on: ICAO [5]
- b. Write a short note on: Jet Blast [5]
- c. Write a short note on: Cross Wind Components [5]
- Q5)** Attempt all the questions [10]
- a. State the requirement of a railway station. [5]
- b. State merits and demerits of railways. [5]
- Q6)** Attempt all the questions [10]

- a. Explain site selection of stations and yard [5]
- b. Explain points and crossings. [5]
- Q7)** Attempt all the questions [10]
- a. What are the factors considered for selecting a site of a bridge? [5]
- b. State the types of bridge bearing and explain the suitability of each. [5]
- Q8)** Attempt all the questions [15]
- a. Define and enlist different types of station yards. [5]
- b. What is permanent way? Give requirement of an ideal permanent way. [5]
- c. Short note – Classification of Bridges. [5]

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (101) Bachelor of Engineering (84932) Transportation Engineering-II Part 4 SEM 8
- 2] (1154) B.Tech. CBCS (84747) Transportation Engineering-II Part 4 SEM 8
- 3] (101) Bachelor of Engineering (67750) Transportation Engineering II Part 4 SEM 8