Seat No.

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MAR_APR 2026 SUMMER EXAMINATION

1154 B.Tech. CBCS

Sub. Name: Transportation Engineering-II

Sub. Code: 67750/84747/84932

Day and Date: Friday ,29-05-2026 **Total Marks: 70**

Time: 02:30 PM To 05:00 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 from Q.1,2,3 AND from Q.5,6,7.

Q1) Attempt all the questions **[10]**

a. Explain classification of airports **[5]**

b. Explain Wind Rose Diagram with a neat sketch **[5]**

Q2) Attempt all the questions **[10]**

a. Describe the movement of an aircraft in three principal axes with a neat sketch **[5]**

b. Differentiate between Clear zone and turning zone **[5]**

Q3) Attempt all the questions **[10]**

a. Write a detailed note on: Harbour Layout. **[5]**

b. Write a short note on: Transit Shade. **[5]**

Q4) Attempt all the questions **[15]**

a. Describe the various systems of the aircraft parking **[5]**

b. What are the markings made on the runways? **[5]**

c. Write a short note on: Runway Numbering **[5]**

Q5) Attempt all the questions **[10]**

a. Explain points and crossings. Sketch and explain acute angle crossing. **[5]**

b. Explain site selection of stations and yard. **[5]**

Q6) Attempt all the questions **[10]**

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a. Give classification of signals. Describe shunting signals. **[5]**

b. Describe the daily and periodic maintenance of railway track. **[5]**

Q7) Attempt all the questions **[10]**

a. Explain modern trends in Railways. **[5]**

b. Enlist the different type of loadings used for designing of bridge. **[5]**

Q8) Attempt all the questions **[15]**

a. Enlist the elements and necessity of geometric design of track. **[5]**

b. State factor considering alignment of track. **[5]**

c. Short note – Importance of bridge maintenance. **[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

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