

Civil

# College of Engineering, Pune

## End Semester Examination-Nov-Dec 2012

Course-B.Tech  
Branch- Civil Engineering  
Specialisation- --  
Semester- VIII

### CE-412: Transportation Engineering II

Date:

Duration: 3hrs.

Time:

Max. Marks: 50

#### Instructions:

1. State suitable assumptions wherever required.
2. Neatness and explanations with appropriate examples will carry weightage.

Q. 1. Write short notes on any THREE of the following: **(Marks 15)**

- i. Classification of Roads
- ii. Types of Bridges.
- iii. Airport Layout
- iv. Heliport

Q.2. What are the various factors to be considered in road pavement design? Discuss the significance of each. **(Marks 10)**

Q.3. Attempt any TWO of the following: **(Marks 15)**

- a. Write short note on Bearing in a bridge.
- b. Discuss briefly Revised I.R.C. loading categories recommended for road bridges.
- c. Explain with suitable sketch importance of Afflus.

Q.4. What are the factors which influence the location of an airport? **(Marks 10)**

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