

CIVIL ENGINEERING DEPARTMENT
SECOND YEAR CIVIL ENGINEERING 2016-17
CLASS TEST I – TRANSPORTATION ENGINEERING CEU402

Time – 1 Hour

Max. Marks: 15

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- Q. 1** List classification of roads based on different criteria. Explain in brief the classification of roads based on third road development plan. (2)
- Q2** Draw a neat sketch showing a typical cross section of a National Highway in embankment. Indicate all the important dimensions. (2)
- Q3** -Explain in brief the various drawings and reports to be prepared for a road project. (2)
- Q4** - Explain the term 'Camber'. State the objects of providing a camber. What are the different types of cambers provided to a road surface? Discuss the factors on which the amount of camber to be provided depends. Also specify the recommended ranges of camber for different types of pavement surfaces. (3)
- OR**
- Explain with sketches the following terms. Also state the equations to determine them.
- a) Stopping sight distance b) Super elevation (3)

(P.T.O.)