

Seat No.	
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B.E. (Civil) (Semester - VIII) Examination, December - 2015

TRANSPORTATION ENGINEERING

Sub. Code : 47904

Day and Date : Thursday, 10 - 12 - 2015

Total Marks : 100

Time : 10.00 a.m. to 01.00 p.m.

- Instructions :**
- 1) Attempt any three questions from Section - I and Section - II.
 - 2) Figures to the right indicate full marks.
 - 3) Illustrate your answers with suitable sketches.
 - 4) Assume suitable data wherever necessary.
 - 5) Use of non programmable calculator is permitted.

SECTION - I

- Q1)** a) What are the Advantages & Disadvantages of Road Transport? [8]
 b) What are the Objectives of Traffic Volume Study? [8]
- Q2)** a) Explain Sight Distance & Factors affecting Sight distance. [8]
 b) Explain the Importance of Road Drainage. [8]
- Q3)** a) State the Objectives of Widening of Pavement on horizontal curves. [8]
 b) State the advantages & limitations of Traffic Rotary. [8]
- Q4)** Write a Short note (ANY THREE) : [18]
 a) IRC
 b) PMGSY
 c) DBFO
 d) Joints in concrete
 e) Traffic Signals

P.T.O.

SECTION - II

- Q5) a)** Define & State the type of Brakewaters. [8]
- b)** Define Wharf with sketch. [8]
- Q6) a)** Enlist the points to be considered in the selection of site for airport. [8]
- b)** Define the term : [8]
- i) Aerodrome
 - ii) I.C.A.O.
 - iii) Airport capacity
 - iv) Turning Zone
- Q7) a)** What is necessity of Ventilation & dust control in Tunnel? [8]
- b)** Describe with neat sketches of various Tunnel cross section With advantages & disadvantages. [8]
- Q8) Short Note (Any THREE) :** [18]
- a) Drift Method.
 - b) Aprons.
 - c) Airport Classification.
 - d) Tunnel Dewatering.
 - e) Runway Patterns.

