**BSC4**

**Third Semester B. Tech Civil Engineering**

**Examination Aug/Sep-2015**

**Transportation Engineering**

**Time:-3Hours Max. Marks:-75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. Write a short note on ‘Mechanized maintenance’.
2. Briefly write about ‘National Transport Policy Committee’.
3. Draw & name various road patterns.
4. What do you mean by ‘Camber’? What are their methods?
5. Define ‘Roman Roads’. Write its construction procedure.
6. Mention the necessity and objectives of Highway Planning.
7. What do you mean by ‘Sight distance’? Give reasons for the driver’s failure to stop the vehicle in time.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Examine the Macadam’s method of construction with the modifications made in it and with its construction steps.
2. Discuss the procedure for the construction of:
3. Earth Road b) Gravel Road
4. Write the principles & application of Soil-Line Stabilization. Also notify the factors influencing its properties.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Elaborate the Reinforced concrete pavements & Prestressed Concrete pavement.
2. Write a detail note on ‘Mechanical Soil Stabilization’.
3. What is ‘Surface Drainage’? Elaborate the different structures or construction requires for it.