

CEL 241 Major Exam

Date: 22 Nov, 2008
Time: 01.00-3.00 PM
Venue: WS 204
Total Marks: 72
Wt.: 24%

Explain with figures, equations etc. wherever so required. Answer in brief and to the point only.

Q1. What do you understand about?

- a) mechanical widening
- b) super elevation
- c) camber

3x5=15

Q2. When we use *the following* ?

- a) horizontal curve
- b) vertical curve

2x7.5=15

Q3. List down the names of the four stages of urban transportation planning process.
Explain each of them.

5+10=15

Q4. Do we use photogrammetry in the route surveying of transportation system?

Explain what is the use of remote sensing in transportation?

2x4.5=9

Q5. What do you mean by the following concepts?

- space sharing
- time sharing

2x4.5=9

Where we use them?

Q6. In a Landuse-Transport System we consider three variables flow, volume and travel time. Please deduce a relation by explaining demand and supply curve.
Assume all linear equations.

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