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Question Paper Code : 80185

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Seventh Semester

Civil Engineering

CE 6006 — TRAFFIC ENGINEERING AND MANAGEMENT

(Regulations 2013)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State PIEV theory.
2. Define stopping sight distance.
3. Explain the term parking turn over.
4. List the various types of volume counts.
5. Explain the role of traffic control personnel.
6. Briefly explain salient features of a typical rotary intersection.
7. List any four causes of road accidents.
8. List any four methods of preventing Air Pollution.
9. List the various travel demand management techniques.
10. What are the applications of intelligent transport system?

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail about vehicle characteristics and its application.

Or

(b) Explain in detail about road user characteristics.

12. (a) Explain in detail different methods of origin destination studies.

Or

(b) What are speed and delay surveys? Explain in detail.

13. (a) Draw and explain any three types of channel Islands in intersection.

Or

(b) What is the role of road marking? Discuss its types.

14. (a) What are the effects of road accidents? List the preventive measures of road accidents.

Or

(b) Explain in detail about the causes of Air and Noise Pollution.

15. (a) Write in detail the methods of forecasting in traffic volume prediction.

Or

(b) Discuss in detail the traffic management measures as per IRC standards.
