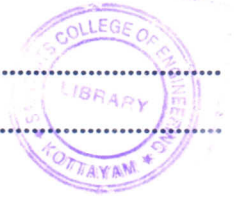


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Reg. No.....

Name.....



B.TECH. DEGREE EXAMINATION, MAY 2015

Seventh Semester

Branch : Civil Engineering

TRANSPORTATION ENGINEERING-II (C)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 4 marks.

1. Define intermediate sight distance.
2. Explain the term super elevation.
3. List out the traffic studies done in highway construction ?
4. Explain the advantages of traffic signal.
5. What are the factors to be considered in the design of pavements ?
6. What are the causes of pavement failures ?
7. Explain in detail about turning zone.
8. Explain the terms (i) Longitudinal gradient ; (ii) Transverse gradient in taxiway design.
9. What are the facilities to be provided in airport building ?
10. What are the uses of blast fences ?

(10 × 4 = 40 marks)

Part B

Answer all questions.

Each full question carries 12 marks.

11. Explain the classification of roads by Nagpur Road plan.

Or

12. Explain the methods of attainment of super elevation.
13. Explain in detail about the traffic signs.

Or

14. Explain the classifications of Traffic islands in detail.

Turn over

15. Explain the types of joints in cement concrete pavements.

Or

16. Explain the construction procedure for Bituminous surface dressing.

17. What are the design requirements of taxiway ? Explain briefly about it.

Or

18. Explain the following terms in detail.

(a) Approach zone.

(b) Turning zone.

19. What are the factors controlling the size and number of gate positions ?

Or

20. List out the airport marking and explain Runway marking in detail.

(5 × 12 = 60 marks)

