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(Pages: 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014

Seventh Semester

Branch: Civil Engineering

TRANSPORTATION ENGINEERING - II (C)

(Old Scheme - Prior to 2010 Admissions)

[Supplementary]

TAYATE

Maximum: 100 Marks

Time: Three Hours

Part A

Answer all questions.

Each question carries 4 marks.

- 1. List out factors controlling alignment of roads.
- 2. List out methods of attainment of super elevation.
- 3. List notes on Traffic markings.
- 4. Briefly explain Kerb parking.
- 5. Explain Sub grade soil properties.
- 6. List out factors affecting design of rigid pavements.
- 7. Write notes on approach zone.
- 8. Explain Taxiway design requirements.
- 9. Explain Holding apron.
- 10. Write notes on Air traffic control.

 $(10 \times 4 = 40 \text{ marks})$

Part B

Answer all questions.

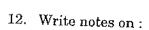
Each question carries 12 marks.

11. Explain briefly typical cross section of roads in urban and rural areas.

(12 marks)

Or

Or



- (a) Over taking zone requirements.
- (b) Gradient and grade compensation.

 $(2 \times 6 = 12 \text{ marks})$

13. Explain briefly Traffic signals and Traffic islands.

(12 marks)

14. Briefly explain Types of load intersection.

(12 marks)

- 15. Write note on:
 - (a) Properties of Road aggregates.
 - (b) Joints in concrete pavements.

 $(2 \times 6 = 12 \text{ marks})$

(12 marks)

Or

- 16. Explain briefly CBR method of design of flexible pavements.

17. Write notes on:

- (a) Wind rose diagram.
- (b) Factors to be considered for selection of site for airport.

 $(2 \times 6 = 12 \text{ marks})$

Or

- 18. Explain methods of classification of Airports.
- 19. Explain facilities required in the terminal building of Airport

(12 marks)

(12 marks)

Or

20. Explain briefly Navigational aids and Landing aids.

(12 marks)

 $[5 \times 12 = 60 \text{ marks}]$