

G 630

(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]



Time : Three Hours

Maximum : 100 Marks

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 × 4 = 40 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

Turn over

12. Write notes on :

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

(2 × 6 = 12 marks)

13. Explain briefly Traffic signals and Traffic islands.

(12 marks)

Or

14. Briefly explain Types of load intersection.

(12 marks)

15. Write note on :

- (a) Properties of Road aggregates.
- (b) Joints in concrete pavements.

(2 × 6 = 12 marks)

Or

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

(12 marks)

17. Write notes on :

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

(2 × 6 = 12 marks)

Or

18. Explain methods of classification of Airports.

(12 marks)

19. Explain facilities required in the terminal building of Airport.

(12 marks)

Or

20. Explain briefly Navigational aids and Landing aids.

(12 marks)

[5 × 12 = 60 marks]

