G 1100 CE (new)

(Pages : 2)

Reg. No.....

Name.....

SAINTGITS COLLEGE OF ENGINEERING LIBRARY KOTTAYAM

B.TECH. DEGREE EXAMINATION, MAY 2015

Seventh Semester

Branch : Civil Engineering

CE 010 706 L06 – TRAFFIC ENGINEERING AND MANAGEMENT (Elective II) [CE]

(New Scheme – 2010 Admission onwards)

[Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*

Each question carries 3 *marks.*

1. Explain the scope of traffic regulations.
2. Mention the factors affecting level of service.
3. Explain Websters.
4. Discuss the factors affecting road accident.
5. Discuss traffic flow.

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*

Each question carries 5 *marks.*

6. Explain Motor Vehicle Act.
7. Write a short note on maximum capacity.
8. Discuss grade separated intersection.
9. What are the various causes of road accidents?
10. Explain Whitham's theory.

(5 × 5 = 25 marks)

Turn over

Part C

Answer **all** *questions.*

Each question carries 12 *marks.*

11. (a) Explain tidal flow operations.

Or

(b) Discuss highway capacity in detail.

12. (a) Write the basic, possible and practical situations that may come regarding highway capacity.

Or

(b) Explain with the diagram of traffic flow.

13. (a) Discuss the basic diagrams of different types of intersections.

Or

(b) Explain the different factors affecting level of service.

14. (a) Explain preventive measures regarding road safety.

Or

(b) Discuss the performance of Websters approach.

15. (a) Discuss Light hill in detail with example.

Or

(b) Explain maximum capacity performance in detail.

(5 × 12 = 60 marks)

SAINTGITS COLLEGE OF ENGINEERING LIBRARY KOTTAYAM