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BICEE-023

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2015

BICEE-023 : TRAFFIC ENGINEERING

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions. All questions carry equal marks. Use of scientific calculator is permitted.

1. What are the objectives and scope of traffic engineering? 10
2. Enumerate the different methods of carrying out traffic volume studies. 10
3. Explain the speed and delay studies. Also define the uses of speed and delay studies. 10
4. Explain the origin and destination study. Also define the purpose of origin and destination study. 10
5. Explain briefly the various aspects investigated during parking studies. 10
6. What are the advantages and disadvantages of traffic signals? 10

7. What are the relative advantages and disadvantages of overpass and underpass ? 10
8. Explain the various measures that may be taken to prevent accidents. 10
9. (i) Define the factors affecting PCU.
- (ii) Define the level of service concept while deciding the design capacity of a road. $2 \times 5 = 10$
10. Write a note on lighting layouts for highways and intersections. 10
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