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Roll No

CE-5001 (CBGS)**B.E. V Semester**

Examination, November 2018

Choice Based Grading System (CBGS)**Transportation Engineering***Time : Three Hours**Maximum Marks : 70***Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Assume missing data, if any, suitably.

1. Briefly explain the importance and limitation of Rail Transportation. Explain the following terms: 14

i) Wear and Tear of Rails and

ii) Fish plates and Fish bolts.

2. Briefly explain various types of rail sections. Explain the following: 14

i) Types of gauges.

ii) Hauling capacity and Tractive efforts.

3. Name the different varieties of signals? Explain them with the help of proper diagram. 14

4. Explain briefly the different types of station yards. With the aid of neat sketches explain the functioning and types of a marshalling yards. 14

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5. Name the different types of bridge foundation. Explain any three with the help of neat figures. 14

6. What do you understand by coffer dams? Briefly explain different types of pile foundations. 14

7. What is the function of working operation drainage and ventilation in tunnel? Describe in brief. 14

8. Write short notes on any four of the following: 14

i) Harbours

ii) Dry and Wet Docks

iii) Inland waterways

iv) Shafts

v) Tunnel approaches

vi) Lining
