

**B.TECH. DEGREE EXAMINATION, MAY 2016****Sixth Semester**

Branch : Civil Engineering

CE 010 604—TRANSPORTATION ENGINEERING—I (CE)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

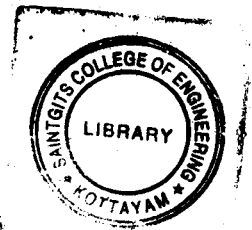
Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.  
Each question carries 3 marks.*

1. List the characteristics of highway and railway ?
2. What is meant by coning of wheels ?
3. Can you make a distinction between Points and Crossings ?
4. What is the theme of jetties ?
5. Define dry docks.



(5 × 3 = 15 marks)

**Part B**

*Answer all questions.  
Each question carries 5 marks.*

6. Compare wear and creep of rails ?
7. Draw the main function of Signaling.
8. Explain tunnel surveying.
9. Discuss necessity and functions of Break waters.
10. Assess the importance of floating dry docks ?

(5 × 5 = 25 marks)

**Part C**

*Answer all questions.  
Each question carries 12 marks.*

11. Give a description about Modern developments in Railway track.

Or

12. Explain Component parts of a railway track ?

**Turn over**

13. Discuss the Control systems of train movements with detail explanation.

*Or*

14. Illustrate the Details of station yards and marshalling yards.

15. Write in detail about shield method of tunneling.

*Or*

16. Explain the lighting and drainage of tunnels.

17. Discuss the classification and requirements of design of harbour.

*Or*

18. Explain the necessity and functions of lighthouses.

19. Write short notes on :

- (a) Dry docks ;
- (b) Wet docks ;
- (c) Dock entrances.

*Or*

20. Explain distinction between ladder dredger and hydraulic dredger.

(5 × 12 = 60 marks)

