

## 4428

BOARD DIPLOMA EXAMINATION, (C-14)  
MARCH/APRIL-2019  
DCE - FOURTH SEMESTER EXAMINATION  
TRANSPORTATION ENGINEERING

Time: 3 Hours

Max.Marks : 80

**PART-A****10x3=30M**

**Instructions:** 1) Answer all questions. Each question carries THREE marks.  
2) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 1) Define the terms:
  - a) Camber
  - b) Super elevation
  - c) Gradient
- 2) Write the objectives of compaction.
- 3) Define traffic volume and traffic density.
- 4) State any three requirements of good highway of drainage system?
- 5) Illustrate with a neat sketch – coning of wheels?
- 6) Write any three duties of PWI.
- 7) Distinguish between station and yard?
- 8) List the conditions under which large span bridges are preferred.
- 9) Differentiate between culvert and causeway.
- 10) What are the functions of an abutment of a bridge?

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