

Register No.:

2035

October 2024

Time - Three hours
(Maximum Marks: 100)

- [N.B.** 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. Define transition curve.
2. Write any three types of traffic survey.
3. Mention the materials used in Water Bound Macadam road construction.
4. What are the objectives of soil stabilization?
5. List the factors affecting sleeper density.
6. Mention the three purposes of maintenance of track.
7. Define yard. List out the types of yard.
8. What is the purpose of providing buffer stops?
9. List the factors governing the ideal site for bridge.
10. Draw neat sketch of suspension bridge and mark salient parts.

[Turn over.....

PART - B

11. (a) Explain the difference between flexible and rigid pavement.
(Or)
(b) Explain the various methods of parking with necessary sketch.
12. (a) Discuss the various points to be considered while alignment of road.
(Or)
(b) Describe the steps involved in the construction of cement concrete roads.
13. (a) What is meant by creep of rail? Describe the causes and its prevention.
(Or)
(b) Explain about PQRS method of relaying with neat sketch.
14. (a) Explain the types of crossing with neat sketches.
(Or)
(b) Explain the methods of interlocking with neat sketches.
15. (a) Explain about the types of foundation used in bridges.
(Or)
(b) Explain the various types of bearing used in bridge with neat sketches.
