

Register No.:

616

October 2023

Time - Three hours
(Maximum Marks: 100)

- C/M L/Hy
- 10
- [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 pavement. Give an example of flexible and rigid pavement.
2. What are the methods of parking?
3. Write any three information to be given in a project report.
4. Specify the methods of concrete road constructions with neat sketch.
5. Define (i) Wear of rails (ii) Hogged rail
6. Draw neat sketch of fish plates.
7. Define turn table. Where it is provided?
8. What is meant by route relay system?
9. Define 'afflux' and 'free board'.
10. Write short notes about Elastomer bearings.

[Turn over.....

PART - B

11. (a) Explain flexible and rigid pavement and bring out the points of difference.

(Or)

- (b) Explain the two types of grade intersection with neat sketch.

12. (a) List out the important points collected while doing of reconnaissance survey.

(Or)

- (b) Explain the principles, scope and factors affecting the properties of soil stabilization.

13. (a) What is meant by creep of rail? Describe the causes and prevention of creep.

(Or)

- (b) Explain the different types of rail joints with neat sketch.

14. (a) Describe the types of 'passenger platforms'.

(Or)

- (b) Explain the different methods of signalling.

15. (a) Explain the factors to be considered while selecting the alignment of bridge.

(Or)

- (b) Describe the trestle pier and abutment pier with neat sketch.
