

Total No. of printed pages = 2

CT-501/CT/5th Sem/2017/M

CONSTRUCTION TECHNOLOGY

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer *all* questions.

1. (a) Give the comparison of different modes of transportation. 5
- (b) Compare rail transport vs. road transport. 5
2. (a) What are the requirements of a good railway track ? 5
- (b) Explain permanent way. 5
3. Explain the factors controlling location of a good alignment. 10
4. Explain the engineering surveys for alignment of new railway line. 10

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5. (a) What are the recommendations and implementation of Jayakar Committee ? 5
- (b) Define Camber. Write its recommended value for different types of road surfaces. 5
6. (a) Write the constructional aspects of earthen dam. 5
- (b) Write the different types of forces acting over dam. 5
7. Explain different types of canal linings. 10