

Total No. of Questions : 8]

[Total No. of Printed Pages : 3

Roll No

CE-404-CBGS

B.Tech., IV Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Transportation Engineering - I

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

g^r àíZm| Ho\$ g_mZ A\$H\$ hç&

iii) In case of any doubt or dispute the English version question should be treated as final.

{H\$gr ^r \$ma Ho A\$

1. a) Explain rat route survey.
b) What do you mean by coning of wheels? Also discuss its
2. a) With the help of neat sketch, explain the advantages of negative super elevation.
go
b) What do you mean by widening of gauge on curved track? Also discuss its importance.

<

PTO

[2]

3. a) What are the different survey's done before the construction of bridge? Explain any two in detail.
- b) What do you understand by Afflux or Back water? Discuss its effects.

§

4. a) Define coffer Dam. Discuss its classification.

&

- b) Discuss the various precautions to be taken while sinking of well.

5. a) Write safety precautions in tunnel construction.

- b) Explain various methods of tunnel ventilation.

6. a) Discuss the various factors affecting site selection for a bridge.

- b) Briefly explain IRC Loading classifications for a bridge.

IRC

7. a) Explain classification of wings walls with neat sketches.

- b) Explain the factors that influence the selection of site for a Railway station.

Contd...

[3]

8. Write short note on any three of the following :

- a) Wear and tear of rails
- b) Principle of Transportation
- c) Affix
- d) Pilot-shafts

downloaded from
StudentSuvidha.com

CE-404-CBGS