



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

1ST INTERNAL EXAMINATION-2017-18

Subject-**HTE**

Semester-**4TH**

Branch-**CIVIL**

Full Mark-**30**

Time-**1.30Hrs**

ANSWER ALL QUESTIONS (PART-A)

[2X5]

1. The width of road pavements, depends upon
 - a. Width of traffic lane
 - b. number of traffic
 - c. width of median strip
 - d. all the above.
2. Normal formation width of a hill road for one-way traffic, is
 - a. 3.6 m
 - b. 4.8 m
 - c. . 6.6 m
 - d.7.2m
3. The width formation of a road means the width of
 - a. Carriageway
 - b. Pavement and shoulders
 - c. embankment at ground level
 - d. embankment at top level
4. The minimum width of the pavement of a National Highway should be
 - a. 4.7 m
 - b. 5.7 m
 - c. 6.7 m
 - d. 7.7 m
 - e. 8.0 m
5. In scanty rainfall regions, the camber provided will be
 - a. nil
 - b. flatter
 - c. steeper
 - d. None of these.

ANSWER ALL QUESTIONS (PART-B)

[2X5]

1. Define gradient and its types?
2. Define grade compensation?
3. Explain right of way?
4. What do you mean by formation width of a road section?
5. Classify various types roads?

ANSWER ANY TWO QUESTIONS (PART-C)

[5X2]

1. Define highway alignments and its various factors?
2. What are the engineering surveys carried out for highway alignment?
3. Explain various highway characteristics?