



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

2ND INTERNAL EXAMINATION-2018-19

Subject-**Surveying**

Semester-**3RD**

Branch-**CIVIL**

Full Mark-**50**

Time-**2.00Hrs**

ANSWER ALL QUESTIONS (PART-A)

[2X10=20]

1. What is contour gradient?
2. What is contour interval?
3. What are the types of correction in leveling?
4. What do you mean by curvature corrections?
5. What is the angle of intersection of a contour and a ridge line?
6. What is the formula for combined correction in leveling?
7. What do you mean by reciprocal leveling?
8. What do you mean by change point?
9. Derive the expression for sensitiveness of bubble tube.
10. What is the least count of a theodolite?

ANSWER ANY THREE QUESTIONS (PART-B)

[6X3=18]

1. Describe direct method for measuring a theodolite?
2. Define sensitiveness of the bubble tube?
3. What are the procedures in temporary adjustment of theodolite?
4. Write the difference between HI and rise and fall method?

ANSWER ANY ONE QUESTION (PART-C)

[12X1=12]

1. Explain characteristics of contour?
2. The reading taken on a staff 100 meter from the instrument with the bubble central was 1.872 meter. The bubble is then moved 5 divisions out of the Centre and the staff reading is observed to be 1.960 meter. Find the angular value of one division of the bubble and the radius of the bubble tube? The length of one division of the bubble tube is 2 mm?

