

Paper Id: 

<b>181278</b>
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Roll No: 

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**BARCH**  
**(SEM II) THEORY EXAMINATION 2018-19**  
**SURVEYING**

**Time: 3 Hours****Total Marks: 50****Notes:**

- *Attempt all Sections.*
- *Assume any missing data.*

**SECTION – A**

Q1) Attempt the following term in brief: **(10X1=10)**

- a) List principles of surveying.
- b) Define surveying.
- c) Define ranging rod.
- d) Define chain surveying.
- e) List different types of chain.
- f) List different types of instruments used in chain surveying.
- g) Define plane table survey.
- h) List different accessories used in plane table survey.
- i) Define contouring in survey.
- j) Define offset.

**SECTION – B**

Q3) Attempt any **five** questions: **(5x5=25)**

- a) Explain different classification of survey.
- b) Explain principles of surveying and also define units of measurement.
- c) Discuss methods of taking offset and obstacles in chaining.
- d) Explain methods of plane table survey.
- e) Explain radiation method in plane table survey.
- f) What are uses of contours?
- g) Explain selection of station.
- h) Discuss characteristics of contours.

**SECTION – C**

Q4) Attempt any **two** questions. **(2X7.5=15)**

- a) Describe a procedure for setting up a plane table over a station.
- b) Describe principles of survey with neat sketches.
- c) Explain different instruments used in chain survey.