Printed pages: 01 **Sub Code: RAR - 206**

Paper Id: **181278** **Roll No:** | | | | | | | | | | |

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 road.
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.

www.aktuonline.com