

c) 45° b) 30°

a) 15°

be less than

6. In case, to get a well-proportioned or well-shaped triangle, no angle should

C1/C01

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

CINI

Subject Name: Surveying I Course: B. Tech in Civil Engineering

Max Marks: 20

Instructions to the Students:

Mid Semester Examination - Sept./Oct. 2019

Sem: I

Subject Code: BTCV 304 Duration:- 1 Hr.

Necessary data is given in the respective questions. If such data is not given, it means Illustrate your answers with neat sketches, diagrams etc. where ever necessary Date: - 07/10/2019 that the

knowledge of that data is a part of the examination.

If some part or parameter is noticed to be missing, you may appropriately assume it and should mention (Level/CO) Mark

Select the appropriate answer for the given MCQ's c) Cadastral Surveying b) Hydrographic Surveying a) Topographic Surveying What type of surveys needs to fix the boundaries of municipalities and of state and federal jurisdictions?

C1/C01

6 X

Convenient direction towards permanent and prominent mark or signal is

C2/C01

d) City Surveying

 a) True Meridian
 b) Magnetic Meridian 3. The distance between the centers of two consecutive middle rings is c) Arbitrary Meridian

d) Survey line

c) Effective link length b) Chain effective length a) Chain length

d) Link length

a) Chaining computing the length of line?

c) Levelling b) Pacing

d) Contouring

4. Which of the following measurements varies with an individual before

The magnetic bearing of a line AB is S 28°30′ E. Calculate the true bearing if the declination is 7°30′ West.

C2/C02

a) N 36°00′ W

d) N 21°00′ W c) S 36°00' E b) S 21°00' E

CI/COI

C3/C02

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www.FirstRanker.com (B) Explain the working principle adopted in Plane Table Surveying.
(C) Differentiate between Surveyor's compass and Prismatic compass. Q.2 Solve Any Two of the following. (A) The following are the observed bearings of a closed traverse ABCDEA with a 8 \mathbf{E} Write a short note on Optical Square with labeled sketch. A closed traverse is conducted with five stations A, B, C, D and E taken in Solve Any One of the following. anticlockwise order, in the form of a regular pentagon. If the FB of AB is 30'0', find the FBs of the other sides. compass in a place where local attraction was suspected DE BC 8 242 45' 39'30' 191 45 33015 FΒ *** End *** 62°45° 147°45° 200'30' 13°0' 222°30' ВВ C1/C01 C1/C02 C2/C03 C3/C03 8 X 1 3 X 2

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