



THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

DEPARTMENT OF SURVEYING & MAPPING

DIPLOMA IN LAND SURVEY

END OF YEAR I EXAMINATIONS

NOVEMBER 2007

SURVEY PRACTICALS

1½ HOURS

INSTRUCTIONS TO CANDIDATES:

You should have the following for this examination:

Answer booklet

Scientific calculator

Survey computation form (C/22)

Answer **ALL** questions.

Use the question paper as the answer sheet.

Question 1 allows maximum 30 minutes, question 2 maximum 30 minutes and the last 30 minutes for data reductions.

All questions carry equal marks and the maximum marks for each part of a question are as shown.

This paper consists of 2 printed pages.

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1. Run a level network through points ABCD.

Compute the reduced levels for these points given the height of BM=100.00.

(50 marks)

2. Compute the:

- (i) Included angles between points AB, BC and CD.

- (ii) Distances AB, BC and CD.

(50 marks)