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FACULTY OF THE SOCIAL SCIENCES
DEPARTMENT OF GEOGRAPHY AND REGIONAL PLANNING
2001/2002 HARMATTAN SEMESTER EXAMINATION

COURSE CODE: GRP 203

COURSE TITLE: ELEMENTARY SURVEYING

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER TWO (2) QUESTIONS.

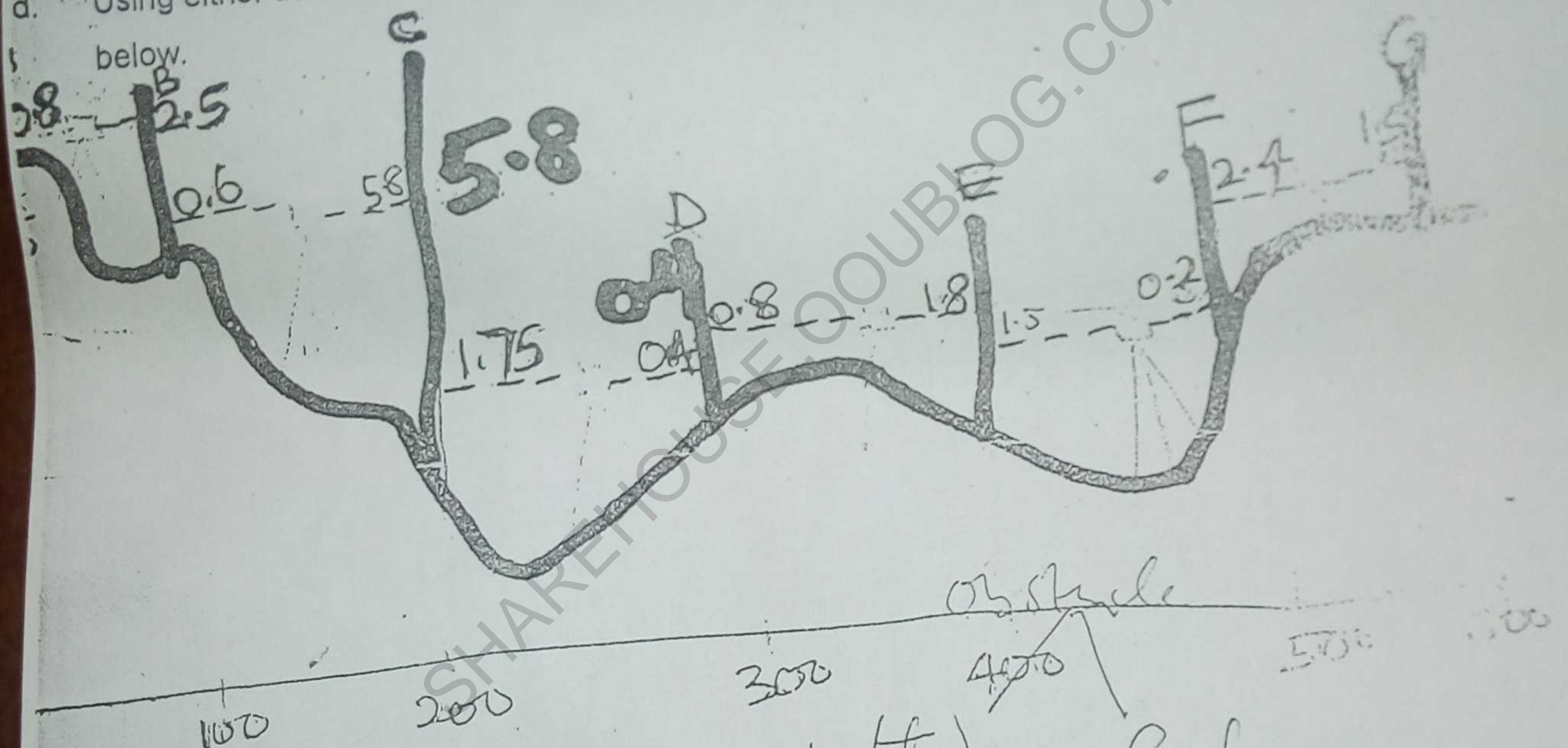
TIME ALLOWED: 2 HOURS

1. What is surveying?

Identify and discuss two major types of surveying.

Examine the process of establishing a straight line on the field.

Using either the method of rise and fall or collimation. Show the booking of the exercise below.



e. What are obstacles in chain surveying?

f. Identify and discuss how you would circumvent any four obstacles in the field during exercise.

2. Write short notes on the following using illustrations where necessary.

(a) Sight

(b) Reciprocal ranging/levelling

(c) Simple levelling.

(d) Height of Instrument - Height of 2nd line of collimation - height of object

(e) Coordinates.