

EASTERN UNIVERSITY, SRILANKA

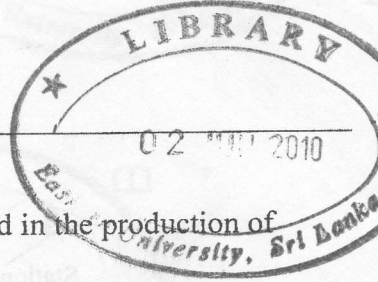
THIRD YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE 2008/2009

(April/May 2010)

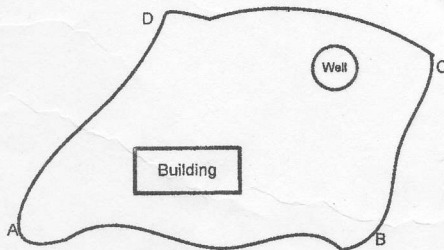
AEN 3202 – FARM STRUCTURES AND ELEMENTARY SURVEY (2:15/30)

(Practical Examination)

Answer all questions
Time: Two hours



01. (a) Compare and contrast the chemical and physical process involved in the production of Portland cement by dry and wet method.
- (b) Briefly justify the status of the environmental conditions prevailed in the crop and animal farm of the Eastern University with the knowledge of farm structure.
02. (a) Briefly explain the type of errors in survey observations with example.
- (b) Illustrate the schematic diagram of Theodolite and list the components of it.
- (c) Explain the field difficulties in chain surveying and explain the ways of the alternative methods?
03. (a) A sketched land layout is given below and you were asked to do survey of this land by using chain and offset survey method.
- Explain the steps you have to do in this chain and offset surveying for this land.
 - Draw the offsets, baseline & check lines for given land layout.
 - Briefly explain how do you get offsets for internal structures of this land (Building and Well)



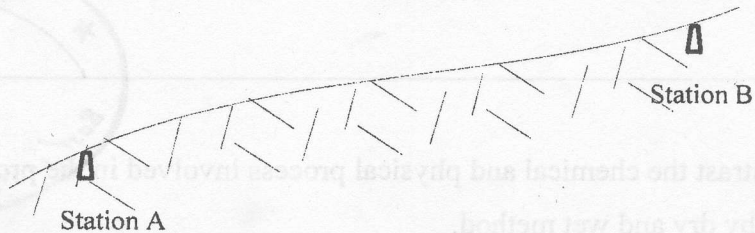
(PTO)

04. a) How do you determine the unknown elevation of a point from known point?

Explain the steps with calculations.

b) Briefly explain the steps to fix a Theodolite in the field?

c) Explain the way of method to survey a slope land AB (layout is given below)



(Practical Examination)

All questions
are compulsory

(a) Compare and contrast the chemical and physical processes involved in the production of Portland cement by dry and wet method.

(b) Briefly justify the status of the environmental conditions prevailed in the crop and animal farm of the Eastern University with the knowledge of farm structure.

(c) Briefly explain the type of errors in survey observations with examples.

(d) Illustrate the schematic diagram of Theodolite and list the components of it.

(e) Explain the field difficulties in chain surveying and explain the ways of the alternative methods.

(f) A sketched land layout is given below and you were asked to do survey of this land by

using chain and offset survey method.

i. Explain the steps you have to do in this chain and offset surveying for this land.

ii. Draw the offset, bearing & check lines for given land layout.

iii. Briefly explain how do you get offsets for internal structures of this land.

(Bulding and Well)



(10)

Land layout

