

INSTRUMENTATION CONTROL GM 474
ANSWER ALL QUESTIONS

Time: 3 hour

(60 MARKS)

Q1

- a) Elaborate under the following headlines on Practice of Land Surveying Profession in Ghana.
- i. Practice Guidelines
 - ii. Procedures
 - iii. Field work:
 - iv. Office Work
 - v. Equipment
 - vi. Measurement Standards
 - vii. Field Notes
 - viii. Deliverables
- b) State and explain the four types of station marks as provided in the technical guidelines for spatial data capture and presentation in Ghana?

(20 Marks)

Q2

- a) State the rules for demarcation of Town Layout
- b) Write on boundary types and pillaring specifications
- c) State the rules for the survey of boundaries
- d) Standards of Accuracy for Surveys
 - i. Horizontal Accuracy Standards
 - ii. Vertical Accuracy Standards

(15 Marks)

Q3

- a) List the methods of Space Resection (SR) surveys.
- b) What are the general guidelines in SR surveys?
- c) List the minimum Technical Guidelines which must be observed in SR Surveys.
- d) How is SR Data Quality Assessed?

(10 Marks)

Q4

- a) Define Control Surveys
- b) Control Networks provide a Reference Framework of Points for: List Five
- c) State the Methods used for Control Surveys
- d) List the Standard and Specification in Control Surveys
- e) List Five Applications area of Control Surveys

(15 Marks)

Examiner: Dr Issaka Yakubu/ P. E. BAFFOE