



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT

DEPARTMENT OF LAND AND SPATIAL SCIENCES

QUALIFICATIONS: BACHELOR OF GEOMATICS, DIPLOMA IN GEOMATICS	
QUALIFICATIONS CODES: 06DGEO, 07BGEO	QUALIFICATIONS LEVEL: 6 – 06DGEO, 7 - 07BGEO
COURSE CODE: CAS610S	COURSE NAME: CADASTRAL SURVEYING 2
SESSION: JUNE 2025	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER:	Mr Taruwona Makaza
MODERATOR:	Mr Frikkie Louw

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number the answers clearly.

PERMISSIBLE MATERIALS

Calculator, ruler, pen, pencil and eraser.

THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including this Front Page).

Question 1

Explain the following terms;

- (a) "Give and take line" in the context of the Fencing Act; (2)
- (b) Contiguous owner; (2)
- (c) Original diagram ; (2)
- (d) Rectilinear boundary; (2)
- (e) Extinctive prescription; (2)
- (f) Accurately determined; (2)
- (g) Servitude of uniform width; (2)
- (h) Seashore; (2)
- (i) Land abutting on a river; (2)
- (j) Lapse by merger (in the context of a servitude). (2)

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Question 2

- (a) What are the powers and duties of the Surveyor General? (10)
- (b) In which three cases is it not necessary to state coordinates on a diagram? (6)
- (c) State at least four examples of numerical data that is contained on a survey diagram. (4)
- (d) Outline the different classes of surveys in terms of limits of allowable error and indicate a typical example for each survey. (6)

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Question 3

What are the minimum specifications for beacons for rural land in terms of regulation 15? How shall special conditions (e.g ,soft,hard, rocky) on the ground be handled? (5)

- (a) Explain how an indicatory beacon shall be placed. (2)
- (b) State clearly how lengths and directions shall be recorded on a general plan. (6)
- (c) According to regulation 16, state ANY THREE cases where it shall not be necessary to place beacons during a survey. (6)
- (d) Describe FULLY the procedure for connecting a survey to the national survey control system when satellite-based positioning techniques are being used. (2)
- (e) Regulation 18 refers to favourably situated main survey stations. Name ANY TWO attributes of such stations. (2)

[23]**Question 4 (all questions relate to Act 32 of 1993)**

- (a) The register of practitioners shall consist of different categories of practitioners under Act 32 of 1993. State all of them. (6)
- (b) Outline the categories of persons that are not eligible for appointment to the Council as members or alternate members. (7)
- (c) Name all acts which a person may do in order to be called a practitioner under this Act. (3)
- (d) Name ANY 5 acts or offences that for disciplinary proceedings against a professional land surveyor constitute professional misconduct. (5)
- (e) State who the members of the Namibian Council for Professional Land Surveyors, Technical Surveyors and Survey Technicians are. (10)

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