



**NAMIBIA UNIVERSITY**  
**OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES**  
**DEPARTMENT OF GEO-SPATIAL SCIENCES AND TECHNOLOGY**

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| <b>QUALIFICATIONS: DIPLOMA IN GEOMATICS</b><br><b>BACHELOR OF GEOMATICS</b> |   |
| <b>QUALIFICATION CODES:</b> 06DGEM<br>07BGEM                                | <b>LEVEL:</b> 6<br>7                      |
| <b>COURSE CODE:</b> CAS610S   | <b>COURSE NAME:</b> CADASTRAL SURVEYING 2 |
| <b>SESSION:</b> JULY 2019   | <b>PAPER:</b> THEORY                      |
| <b>Duration:</b> 3 HOURS  | <b>Marks:</b> 100                         |

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| <b>SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER</b> |                       |
| <b>EXAMINER:</b>   | <b>Mr. T. Makaza</b>  |
| <b>MODERATOR:</b>  | <b>Mr. S. Sinvula</b> |

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| <b>INSTRUCTIONS</b> |   |
| 1.                  | You MUST answer ALL the questions.  |
| 2.                  | Write clearly and neatly.   |
| 3.                  | Number the answers clearly.   |
| 4.                  | Make sure your Student Number is on the EXAMINATION BOOK(s).  |
| 5.                  | Make sure your Student Number is on all the Data Sheets and that you submit them with your EXAMINATION BOOK(s). |

**PERMISSIBLE MATERIALS**

1. Calculator
2. Ruler
3. Pencil
4. Eraser

**THIS QUESTION PAPER CONSISTS OF 4 PAGES (Including this front page)**

**Question 1**

Explain the following in the context of Act 33 of 1993 and regulations/ or as discussed in class:

- 1.1. Dividing fence (2)
- 1.2. Acquisitive prescription (2)
- 1.3. Extinctive prescription (2)
- 1.4. Give and take line (2)
- 1.5. High water mark (2)
- 1.6. Accurately determined (2)
- 1.7. Alignment of a beacon (2)
- 1.8. Rectilinear boundary (2)

[16]

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**Question 2**

- 2.1. What are the duties of a land surveyor? (8)
- 2.2. Outline the rules for arbitrators in terms of section 12 of Act 33 of 1993. (6)
- 2.3. Where a river constitutes a boundary of any piece of land such piece of land shall be deemed to extend to the middle of the river. What are the exceptions to this provision? (5)
- 2.4. Describe the provision for authorization for removal or disturbance of a beacon or mark in terms of Section 33 of Act 33 of 1993. (5)

[24]

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**Question 3**

- 3.1. On a subdivision diagram state what information shall be indicated under the references section. (6)

- 3.2. When is it not required to state coordinates on a diagram? (3)
- 3.3. Indicate ANY FOUR types of numerical data that shall be indicated on a diagram. (4)
- 3.4. Outline the manner in which reference marks shall be placed in the survey of new townships, extensions to existing townships or the subdivision of an erf. (3)
- 3.5. When shall beacons not be required to be placed? (12)
- [2]

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**Question 4 - (all questions relate to Act 32 of 1993)**

- 4.1. Under this Act the Registrar shall keep and maintain a register of practitioners containing a number of parts. Mention all the parts. (12)
- 4.2. Name ANY FIVE acts or offences which for the purposes of disciplinary proceedings against a practitioner constitute "professional misconduct". (10)
- [22]

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**Question 5**

- 5.1. Explain the effects on the property boundary in a case where the river changes its course through the process of accretion and the boundary is the middle of the river. (2)
- 5.2. What happens regarding riparian rights of a subdivision of riparian land where the new boundary of the subdivision no longer follows a stream? (2)
- 5.3. Outline the procedure that a person should follow when planning to erect a dividing fence between his/her property and that of the neighbour (also explain the reason why it is important to follow this procedure). (4)

- 5.4. If a landowner intends to subdivide a piece of agricultural land for the purpose of transferring the subdivision to the state, what are the requirements in terms of Act 70 of 1970? (2)

[10]

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