



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT
DEPARTMENT OF ARCHITECTURE, PLANNING AND CONSTRUCTION

QUALIFICATION: BACHELOR OF REGIONAL AND RURAL DEVELOPMENT	
QUALIFICATION CODE: 07BRAR	LEVEL: 7
COURSE CODE: ASP720S	COURSE NAME: APPLIED SPATIAL PLANNING
DATE: JUNE 2024	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Dr. Laudika J Kandjinga
MODERATOR	Ms. Rosena Mubiana

INSTRUCTIONS
<ol style="list-style-type: none">1. Read the entire question paper before answering the questions.2. Read each question carefully and address all parts of the questions.3. Answer ALL the questions.4. Answers may be written in any order but must be legibly numbered.5. Please write clearly and legibly.6. Ensure your Student Number is on the EXAMINATION BOOK(s).

Permissible Items: Pencil, eraser, and ruler

THIS QUESTION PAPER CONSISTS OF 3 PAGES
(Including this front page)

QUESTION 1

- (a) Explain the importance of Spatial Planning for Regional/ Rural Development. (5)
- (b) In your own opinions, how would you describe Spatial Planning? (2)
- (c) Spatial Planning was introduced for several reasons. Explain how the following necessitated the introduction of Spatial Planning:
- (i) Fragmentation. (2)
 - (j) Rising environmental concerns. (2)
 - (k) Uneven distribution of investment created many problems. (3)
- (d) List six (6) stages of conducting Physical and Environmental Analysis. (6)
- (e) Discuss the following spatial analysis techniques in detail. In addition, provide an example of each technique:
- (i) Space Economy Analysis. (3)
 - (ii) Settlement Analysis. (5)
 - (iii) Accessibility Analysis. (7)
 - (iv) Functional Analysis. (3)

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QUESTION 2

- (a) Briefly outline ten points why involving the community in spatial planning and development activities is essential. (10)
- (b) The main argument of South Africa's National Spatial Development Framework (NSDF) is to pinpoint areas of 'potential' / comparative advantage for priorities in resource allocation (e.g., infrastructure funding). Describe five criteria for identifying the potential of an area (you may provide an example for each). (10)
- (c) The Ministry of Urban and Rural Development coordinates Rural Development. Explain the following in terms of coordination:
- (i) Integrated planning. (2)
 - (ii) Collaborative implementation (3)

- (iii) Joint monitoring and evaluation (3)
 - (iv) *Institutional Rearrangement and Capacity Development* (3)
 - (v) *Resources Mobilization and Reallocation* (2)
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QUESTION 3

An Integrated Regional Land Use Plan (IRLUP) is an example of spatial planning that deals with several Land Use aspects. IRLUPs are significant in regional planning and development. The Ministry of Agriculture, Water and Land Reform is in the process of finalising an IRLUP for Region Z. Against the above, answer the following questions:

- (a) During the constituency workshop, the community identified several competing land uses, notably, "*Settlement versus Cropping & livestock*". Using bullets, propose at least four (4) possible solutions to these competing land uses. (4)
- (b) The Fortaleza River in a particular region has been born of contention between several land uses due to competing activities, notably tourism, fishing, grazing, irrigation, and community water absorption. The indigenous communities primarily depend on this river for livelihood. Due to competing land use activities, this needs urgent practical and long-term solutions, which must also benefit every competing land use activity. How will you remedy this situation from a spatial planning perspective? In addition, support your discussion with a self-explanatory diagram. (*note 15 marks for a self-explanatory diagram*). (25)

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TOTAL MARKS: 100

THE END!