



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: JULY 2024	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

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

<p style="text-align: center;">INSTRUCTIONS</p> <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 4 PAGES
(Including this front page)

QUESTION 1

- (a) Spatial Planning has three broad functions. Provide self-explanatory examples of the following three broad functions:
- (I) Regulatory (2)
 - (II) Coordination (2)
 - (III) Development (2)
- (b) Outline eight questions to be answered (considered) when synthesising and shaping the spatial argument through spatial Analysis. (8)

[14]

QUESTION 2

The Stepmore Settlement Case study from South Africa provides an excellent opportunity to understand the complexity of rural development. Similarly, it formed the basis for how rural development complexity could be solved, including Namibia. The problem has two sides: (1) those who wish to remain in the settlement and (2) those who would like to leave the settlement. Based on this background, answer the following questions:

- (a) Discuss the strategies employed in Stepmore Settlement geared toward the residents who wished to remain in the settlements. (8)
- (b) In your own opinion, how could the government help those who wish to leave the settlement, particularly the young people? Suggest at least five bullet points. (10)
- (c) Another approach introduced was establishing a trade centre at Stepmore to unlock the settlement's potential. Discuss how the trade centre will operate as a focal point for the development & creation of opportunities for the surrounding rural households. (8)

[26]

QUESTION 2

- (a) During community engagement, it is essential to be guided by guiding principles. Briefly describe these principles. (5)
- (b) Regional and Constituency Offices are constrained by several factors when coordinating line ministries to reflect local priorities for Rural Development. Discuss four of these factors. (9)

- (c) The National Rural Development Policy states that Rural development action plans shall be developed through the existing coordinating structures (RDCC, CDCs, SDCs). Explain the involvement of these three structures in rural development. (6)

[20]

QUESTION 3

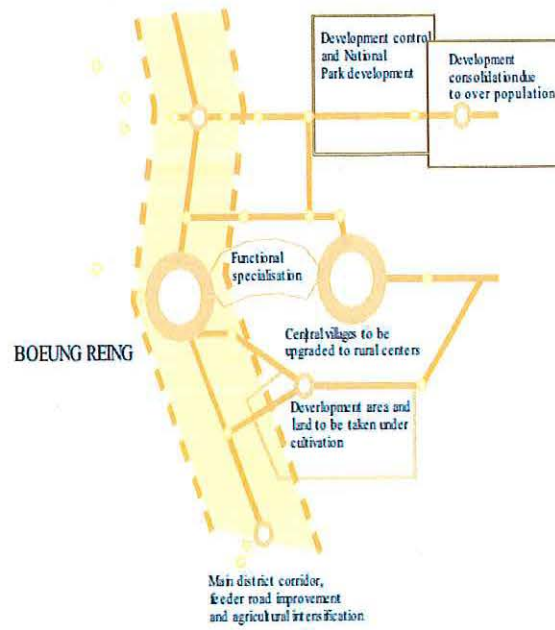
An Integrated Regional Land Use Plan (IRLUP) is an example of spatial planning that deals with several Land Use aspects. IRLUPs are significant in regional planning and development. The Ministry of Agriculture, Water and Land Reform is in the process of finalising an IRLUP for Region Z. Against the above,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

- (a) Briefly describe the aims of conducting constituency workshops during the preparation of the Integrated Regional Land Use Plan (IRLUP). (6)
- (b) The land use proposals of the IRLUP are assessed by the Strategic Environmental Assessment (SEA) using three main criteria. Discuss these criteria. (6)
- (d) The Fortaleza River in a particular region has been born of contention between several land uses due to competing activities, notably tourism, 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 10 marks for a self-explanatory diagram*). (18)

[30]

QUESTION 4

- (a) How can a Regional Development Profile enhance Rural Development at the grassroots level? (5)
- (b) Below is an example of a Spatial Diagram. How can a Spatial Diagram help a Region and Rural Development? (5)



[10]

TOTAL MARKS: 100

THE END!



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DURATION: 3 HOURS	MARKS: 100

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

INSTRUCTIONS	
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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)

[38]

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)
- [33]**
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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)

[29]

TOTAL MARKS: 100

THE END!