

MAY, 2017

GEP 604: LAND AND WATER RESOURCES PLANNING AND MANAGEMENT

SECTION A: ANSWER ONE QUESTION FROM THIS SECTION

QUESTION 1:

- (a) Discuss the management of mineral resources in Swaziland by citing specific examples, including specific reference to the Chrysotile Asbestos Mine at Bulembu. (25 Marks)
- (b) Review the problems and challenges of soil erosion and land degradation in Swaziland, and explain the potential complications posed by global climate change scenarios.
(25 Marks)
(50 Marks)

QUESTION 2

- (a) 'The management of natural resources in Swaziland is fundamental to sustainable development.' Critically discuss this statement by making reference to specific examples of **either** renewable or non-renewable land resources. (25 Marks)
- (b) 'Economic growth requires development of both buildings and infrastructure, yet these needs have the potential to seriously affect both our land and water resources'. Discuss this statement with a view to proposing potential solutions to prevent resource degradation. (25 Marks)
(50 Marks)

SECTION B: ANSWER ONE QUESTION FROM THIS SECTION

QUESTION 3

- a) Distinguish between multi-sectorial and sectorial planning in the sector of water resources. (25 Marks)
- b) Discuss the importance of economic analysis in the sector of water resources planning and management. (25 marks)
(50 Marks)

QUESTION 4

- (a) Distinguish between water law and water policy. (25 Marks)
- (b) Discuss the importance of The Dublin principles in relation to integrated water resources management. (25 marks)
(50 Marks)