



SACLAP

SOUTH AFRICAN COUNCIL FOR THE LANDSCAPE ARCHITECTURAL PROFESSION

REGISTRATION EXAMINATION

MARCH 2007

SECTION 3: ENVIRONMENTAL MANAGEMENT

No.	Question	Points
1.	Environmental Management	
1.1	Name two environmental management principles set by Government for sustainable development in South Africa?	1
1.2	What biological controls are currently available for invasive alien vegetation?	1
1.3	What is your understanding of Integrated Environmental Management?	1
1.4	What environmental issues would you consider as important in a Construction Phase Environmental Management Plan (CEMP) for a new hotel development in a semi natural environment with cultural significance. Describe mitigation for each issue.	3
2.	Environmental Planning	
2.1	Illustrates, by way of a diagram, the concept of sustainable development?	1
2.2	What is your understanding of Systematic Conservation Planning?	1
2.3	Define SEA.	1
2.4	Illustrate by means of a diagram the relationship between SEA and EIA. List four benefits of a SEA?	3
3	Impact Assessment	
3.1	How does and EAP (environmental assessment practitioner) determine whether a basic assessment or scoping must be applied to an application for an environmental authorization in R. 385 terms of regulations of the National Environmental Management Act	1
3.2	In terms of which sections of the National Environmental Management Act, 1998 (Act No. 107 of 1998) are activities listed and where would an EAP find this list of activities.	1
3.3	What methods of notification must be used in the public participation process in terms of the NEMA Environmental Impact Assessment Regulations and what is the minimum information to be provided in a notice.	4
4	Rehabilitation	
4.1	List methods used to manage/rehabilitate fuel spills on a construction site?	2
4.2	In drawing up an EMPR for gravel road borrow pits, list the issues to be evaluated and criteria to be catered for in the rehabilitation plan.	4

5	Government Legislation and Regulations	
5.1	Under which act can the Minister declare an area as a bioregion? What must a bioregional plan contain?	1
5.2	Distinguish between a 'biological control reserve' and a 'demarcated area' in terms of the Conservation of Agricultural Resources Act	1
5.3	What is the main requirement with respect to structures older than 60 years and which act applies?	1
5.4	<p>A landowner wants to establish the following infrastructure on a farm used for grazing:</p> <ul style="list-style-type: none"> • A game farm/lodge covering an area of 6 000m² • A 500m long access road through an area suspected to contain red data plant species (a sensitive ridge environment) • A borrow pit for supplying material for road and building construction • A small bridge over a river that transects the farm to gain access to the lodge and a dam at the lodge to attract game <p>List three different acts in terms of which the farmer will need to obtain environmental permission and explain why each act is applicable.</p>	3
6	Landscape/Visual Character Assessment	
6.1	What is the objective of a Visual Sensitivity Analysis?	1
6.2	List at least four (4) computer software packages one could use to assist a practitioner in assessing landscape/visual character.	2
6.3	As a visual specialist tasked to undertake a visual impact assessment report, prepare the contents page of the Visual Impact Assessment report you will submit to the principle environmental consultant.	3
	TOTAL	36