



SACLAP
SOUTH AFRICAN COUNCIL FOR THE
LANDSCAPE ARCHITECTURAL PROFESSION
 REGISTRATION EXAMINATION

MARCH 2006

SECTION 3: ENVIRONMENTAL MANAGEMENT

No.	Question	Points
1.	Environmental Management	
1.1	List two environmental management principles set by Government for sustainable development in South Africa?	1
1.2	Which exotic plants are declared Category 1 invader plants only in the Western Cape?	1
1.3	Briefly describe the main functions of an Environmental Control Officer?	1
1.4	Briefly describe the content of a Construction Phase Environmental Management Plan (CEMP).	3
2.	Environmental Planning	
2.1	What important conservation planning initiative is currently underway in the Thicket Biome of the Eastern Cape?	1
2.2	Describe two agreements (initiatives) reached at the World Summit on Sustainable Development held in Johannesburg a few years ago.	1
2.3	Define SEA.	1
2.4	Illustrate by means of a diagramme the relationship between SEA and EIA. List four benefits of a SEA?	3
3	Impact Assessment	
3.1	What is the value of an Alternative Analysis as part of the Scoping or EIA report?	2
3.2	List 8 types of alternatives discussed in EIA reports.	2
3.3	What are the main functions of an Environmental Control Officer?	2
4	Rehabilitation	
4.1	Diesel has spilled onto bare ground on a construction site. How would you deal with it?	1
4.2	What would you consider a sustainable option for combating invasive weeds in a wetland?	1
4.3	In the rehabilitation of a river bank in an urban area, following severe flood damage, what is the overriding criterion in the evaluation of rehab options?	1
4.4	Describe the rehabilitation options for a sand mine in a Zululand coastal dune field. Illustrate graphically.	3

5	Government Legislation and Regulations	
5.1	What is the biggest criticism/dilemma of the current plethora of environmental laws in South Africa?	1
5.2	What is Government's latest policy with respect to infill developments as opposed to 'green field' developments?	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 farmer 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 5 km 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 primary difference between a Visual Sensitivity Analysis and a Visual Impact Assessment?	1
6.2	List at least six (6) criteria which must be assessed when undertaking a Visual Impact Assessment	2
6.3	As the principle environmental consultant, prepare a brief for your visual specialist to undertake a visual impact assessment of a proposed cell phone mast on a prominent hilltop in a conservation area adjacent to a scenic route.	3
	TOTAL	36