



SACLAP

**SOUTH AFRICAN COUNCIL FOR THE
LANDSCAPE ARCHITECTURAL PROFESSION**
REGISTRATION EXAMINATION

MARCH 2009

SECTION 2: LANDSCAPE DESIGN

No.	Question	Points
1.	Master Planning/Design Framework	(8 in total)
1.1	<p>Your client wants you to submit a scope of works proposal for the landscape master plan that they require for a proposed golfing and housing estate. They had to follow an EIA process to get Provincial approval and their Environmental Assessment Practitioner (EAP) has prepared an Environmental Management Plan that covers the design, construction and operational phases of the project.</p> <p>List, in point form, the aspects and relevant issues that you would address in your scope of works proposal to them.</p>	8
2.	Landscape Design	(26 in total)
2.1	<p>Your overseas based client wants you to write him a brief but comprehensive report explaining the SACLAP recommended professional services and stages which you would be expected to perform for the landscape design, construction and 12 month landscape maintenance auditing for his proposed resort project in Namibia. He is particularly concerned about keeping abreast of the project costs as the project proceeds.</p> <p>List and briefly explain these services and stages.</p>	18
2.2	<p>Your USA based client, who is developing a hotel and resort within the Drakensberg area of KZN, is questioning your plant design that indicates the use of only locally indigenous plants since it does not reflect the international image of the Hotel Group.</p> <p>Explain briefly what motivation you would use in explaining your decisions</p>	8
3	Working Drawings and Documentation	(33 in total)
3.1	Briefly discuss the following questions:	
	<ul style="list-style-type: none"> Why, if at all, is it necessary to add a revision number to a drawing on which changes have been made? How would you describe or annotate any changes to a drawing? 	1½
	<ul style="list-style-type: none"> Is there a legal implication in making changes to a drawing before and after such drawing was issued to the landscape contractor? 	1½
3.2	By using the example of <i>Carissa macrocarpa</i> shrubs to be supplied in 4 liter containers, describe the difference between what is specified in Bills of Quantities and in the Landscape Works Specification for the same shrubs on a relatively large landscape project.	8

3.3	Once the landscape construction contract has been successfully completed, certain documents need to be handed over by the Landscape Architect to the client for them to manage the project during its operational life. What documents are these and what is the purpose of each.	7
3.4	Once the final sketch plans and cost estimate have been approved by the client, what are the next steps to be taken by the landscape architect to have the project constructed and what documentation will be required to achieve this?	6
3.5	You are the landscape architect on a landscape construction project where the landscape contractor is a <u>selected subcontractor to a principal contractor</u> in terms of the JBCC N/S Subcontract agreement. Explain the roles and responsibilities of the Principal Agent (in this case an architect), the principal contractor and yourself during the course of the subcontract in terms of: <ul style="list-style-type: none"> • Issuing instructions to the landscape subcontractor • Determining and issuing the monthly value of the landscape subcontractor's payment certificate • Claims for extension of time by the landscape subcontractor. 	9
4	Cost Estimation	(22 in total)
4.1	List the column headings for a typical <u>landscape construction</u> Bill of Quantities and give an example for the following Bill items: <ul style="list-style-type: none"> • Interlocking concrete block paving • Mass concrete to be placed in strip foundations • 50mmØ Class 16 HDPE irrigation pipe • Pre-fabricated steel/timber benches. Site office facilities	10
4.2	List the column headings for a typical <u>landscape maintenance</u> Bill of Quantities for a 12 month maintenance contract and where the maintenance contractor's work is evaluated and <u>payment certified on a monthly basis</u> . Give an example for the following Bill items: <ul style="list-style-type: none"> • Mowing of lawn (to be mowed with different frequency between summer and winter) • Keeping shrub beds weed and disease free (daily activity). • Maintenance of a chlorinated, filtered water feature (done weekly) • Applying fertilizer over the lawns (done quarterly) • Site office facilities where the maintenance contractor can be contacted and where inspection meetings can be held. 	12
5	Technical Skills	(11 in total)
5.1	Briefly describe the advantages and disadvantages of using differently coloured hatchings and line colours on an A0 size landscape planting plan that will probably undergo many changes before the project is completed and which has to be issued to an unsophisticated landscape contractor with a limited office infrastructure support base.	6
5.2	When writing the minutes of a bi-weekly site inspection meeting, list the headings under which such minutes have to be written. In instances where there was extensive debate/arguments over an issue during the meeting, what, in principle, would you minute?	5
	TOTAL	100