



SOUTH AFRICAN COUNCIL FOR THE LANDSCAPE ARCHITECTURAL PROFESSION

REGISTRATION EXAMINATION

MARCH 2011

SECTION 2 LANDSCAPE ARCHITECTURAL PROCESS AND PUBLIC REALM DESIGN

No.	Question	Marks
1.	Master Planning / Design Framework	(subtotal 26)
1.1	<p>Your firm is approached by the City of Bloemfontein Metropolitan Municipality to submit a professional service proposal for the landscape master plan development and upgrade of a precinct park close to a Bus Rail Rapid Transport node.</p> <p>The site was originally developed in the early 1970's and comprises the following elements/aspects:</p> <ul style="list-style-type: none"> • 10ha • Historical rail station and bridge dating 1920 • Perennial stream with dam and wetland bisecting the site • Vegetation consists of category one alien invaders along the streets • Street furniture area vandalized and dilapidated <p>a. List 5 opportunities that the site could present that you would highlight in the design development. (5)</p> <p>b. List 5 constraints that the site could present that you would address in your Landscape Master Plan design. (5)</p> <p>c. List 2 the aspects that would have to be addressed in the EIA phase of this project. (2)</p>	12
1.2	List 3 differences between a Landscape Master Plan and an Urban Design Framework.	3
1.3	<p>a) What / who is SACLAP and what does the acronym stand for? (1)</p> <p>b) What is the purpose of SACLAP? (1)</p> <p>c) By whom are the SACLAP Council members appointed? (1)</p> <p>d) List 5 powers of SACLAP (5)</p> <p>e) What is ILASA and what does the acronym stand for? (1)</p> <p>f) What is the purpose of ILASA? (1)</p> <p>g) By whom are the ILASA council members elected? (1)</p>	11



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2.	Landscape Design	(subtotal 24)
2.1	An international developer contacts you to provide him with a comprehensive fee proposal based on the SACLAP recommended fee guideline for the full scope of work for landscape architectural services. His proposed project is a beach hotel located in Zanzibar, and construction is estimated to be 12 months with an additional 12 month landscape maintenance guarantee period. The intention of the developer is to appoint you on a fixed price basis.	12
2.2	How would you contextualize the elements (hard and soft elements) of the landscape design relevant to the Tropical African location for the above project? List 8 elements.	(0.5 x 8) 4
2.3	Name 4 accent plants that you would propose for the Zanzibar project and the plant characteristic why you chose each plant. (Note: the plants do not have to be indigenous to Zanzibar.)	8

3.	Working Drawings & Documentation Associated with Landscape Implementation	(subtotal 13)
3.1	List 8 responsibilities of a Landscape Architect in terms of a client / Landscape Architect agreement.	(0.5 x 8) 4
3.2	For how long would the Landscape Architect be responsible for the project after completion of the project or phase of the project regarding any claims which may arise?	1
3.3	Explain the installation process in terms of the JBCC in time line format with regards to: a.) The three stages of completion b.) Different defects liability periods c.) Payment stages d.) Applicable Retention percentages e.) Indicate when the employer may possess the works f.)	(0.5 x 12) 6
3.4	Specify a rectangular paving block for a project.	(0.5 x 4) 2



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4.	Cost Estimation of Landscape Installations	(subtotal 22)
4.1	<ul style="list-style-type: none"> a) List 2 the differences between a Schedule of Quantities and a Bill of Quantities. (0.5 x 2 = 1) b) List 4 typical components / sections of a complete landscape tender document. (4) c) State briefly why a 'sum' would be included in a Bill of Quantities. (1) 	6
4.2	List 12 landscaping related items to be addressed in a typical landscape installation contract	(0.5 x 12) 6
4.3	Provide the unit of measurement and a short specification for each of the following landscape contractual items: <ul style="list-style-type: none"> a) In situ cast concrete walkway b) Vehicular paving in parking area c) Pedestrian paving d) Brick edging e) Pre-fabricated steel litter bins f) Wooden benches g) <i>Acacia sieberiana</i> tree h) <i>Buddleja saligna</i> shrub i) <i>Carpobrothus edulis</i> ground cover j) lawn 	(0.5 x 20) 10

5.	Technical Skills	(subtotal 15)
5.1	List 10 items to be addressed at a final completion project meeting with a possible late completion.	(0.5 x 2) 5
5.2	List 10 critical requirements / considerations for the successful design of a plaza water feature over a parking basement.	(0.5 x 2) 5
5.3	What safety precautions would you take, in terms of the Occupational Health and Safety Act No. 85 of 1993 as amended, when entering a building site, and what would you look out for when you are on site.	5

TOTAL	100
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