UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE

YEAR V (HORTICULTURE OPTION)

COURSE CODE: HORT 503

TITLE OF PAPER: LANDSCAPE DESIGN

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR

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QUESTION 1

(a) Describe the following historical gardens:

    (i) Gardens of Babylon   [5]

    (ii) Gardens of Persia   [5]

(b) Describe the following landscapes:

    (i) Educational   [5]

    (ii) Industrial   [5]

    (iii) Hotel   [5]

                                     [25]

QUESTION 2

(a) Explain how the following factors influence landscape design:

    (i) Orientation   [4]

    (ii) Views and site surrounding   [6]

    (iii) Client's requirements   [3]

(b) Discuss the following characteristics of landscape elements:

    (i) Shape   [6]

    (ii) Scale and visual relationship   [6]

                                       [25]

QUESTION 3

(a) Discuss the use and construction of patios in the landscape [12]

(b) Describe briefly the placement and construction of fountains and waterfalls in the landscape [13]

[25]

QUESTION 4

(a) Describe the ground preparation for the planting of ornamental plants in the landscape [10]

(b) Describe weed management in lawns [5]

(c) Describe disease management in lawns [5]

(d) Describe fertiliser application in lawns [5]

[25]

QUESTION 5

(a) Discuss water application in ornamental woody plants [5]

(b) Describe the protection and care of street trees in urban landscapes [10]

(c) Describe the landscape cost estimation by:

(i) Cost estimate method [5]

(ii) Unit rate contract [5]

[25]