



## UNIVERSITY OF RUHUNA

Faculty of Engineering

Mid-Semester 4 Examination in Engineering: November 2014

Module Number: IS4229

Module Name: Aesthetics and Design

[Two Hours]

[Answer all questions, each question carries five marks]

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Q1. (a) The "Element of Art" is fundamental to all visual objects. Therefore, it is very important to study and recognize all the values and qualities of each and every "Art Element" as a designer. Describe clearly the importance of studying the "Element of Art". [2 Marks]

(b) Both Element of Art and Design Principles play an important role in any fields of design. Explain the following design principles by drawing clear sketches in the sheet provided,

(i) Focal Point

(ii) Symmetrical Balance

(iii) Pattern

(iv) Scale & Properties

(v) Contrast

(vi) Movement

[3 Marks]

Q2. (a) Write short notes on any three of the followings,

(i) Warm and Cool Colours

(ii) Colour Wheel

(iii) Natural and Complementary Colours

(iv) Landscape Design.

[3 Marks]

(b) The colour wheel, colour properties and colour schemes are the three main parts of the colour theory. Without thorough understanding of the colour theory a successful art work cannot be created. Name three properties of colours and explain them briefly. [2 Marks]

Q3. (a) Environment is our surrounding or physical conditions in which humans, animals and plants live or operate freely. Man himself is a kind of animal, but occupies in a dominant place in the environment than the other species. What is meant by the "Man-made environment"? [1.5 Marks]

(b) The environment is made up of different components and they are classified into two main categories. Name two categories and identify the components belong to each category. [1.5 Marks]

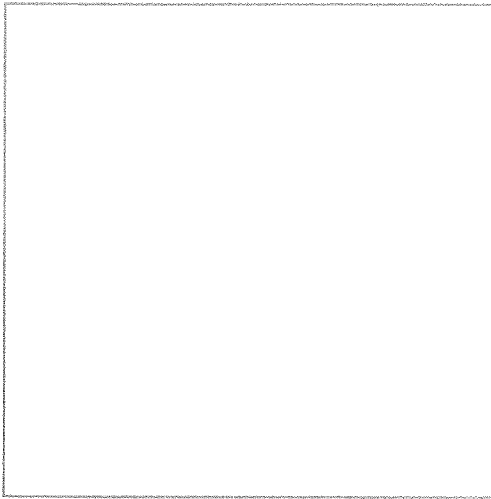
(c) In man-made environments, designers should pay more attention on effectiveness and sustainability of their designs while protecting natural environment. "Kandalama" hotel is a good example for an environmentally friendly architecture.

Explain briefly how the design architects and engineers of Kandalama hotel have incorporated the man-made environment with the existing natural environment. Also discuss the "Art Elements" and "Design Principles" utilized to create this master piece. [2 Marks]

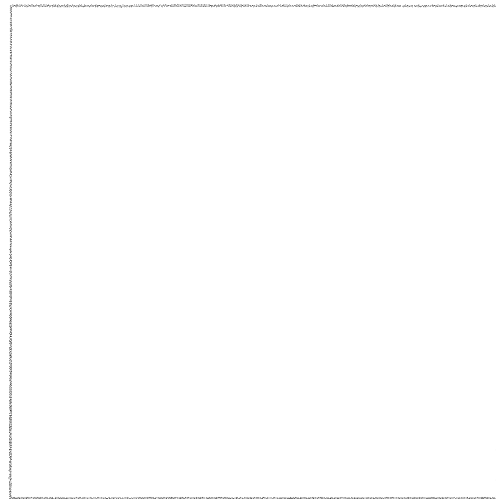
Q4. (a) State and explain three objectives of aesthetic planning. [1 Mark]

(b) The integration of "Beauty" and "Function" makes a home garden an ideal outdoor living space for a family. Explain briefly how you choose the materials to achieve the required level of beauty and function of the outdoor living space considering comfort of your family members. [2 Marks]

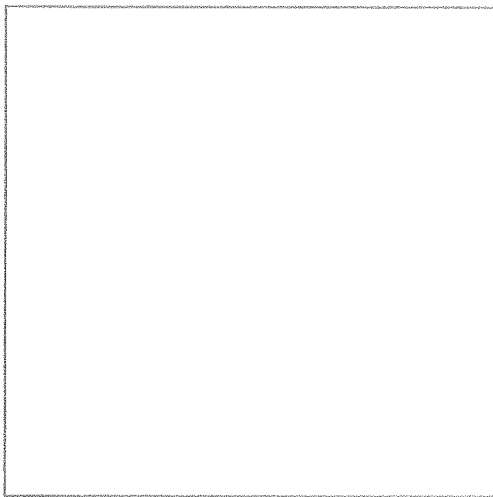
(c) "Form" and "Shape" are two basic art elements. The right shape and form of an object will give the best functionality and appearance. List out and illustrate 5 examples to show right form of an object with good functionality. [2 Marks]



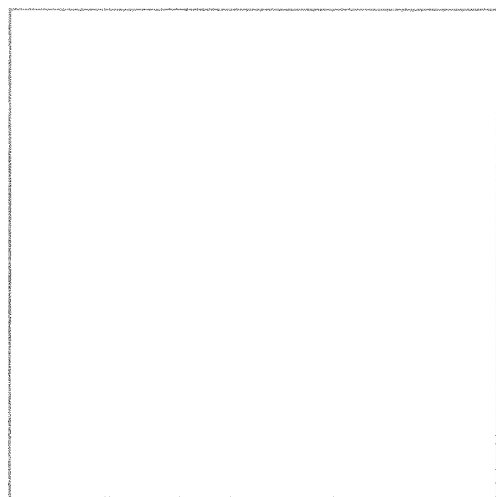
(i) Focal Point



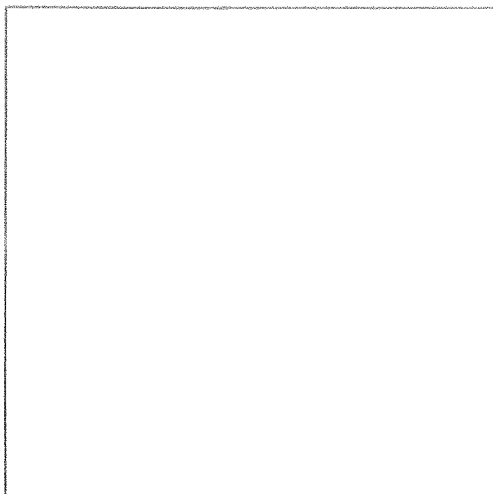
(iv) Scale & Properties



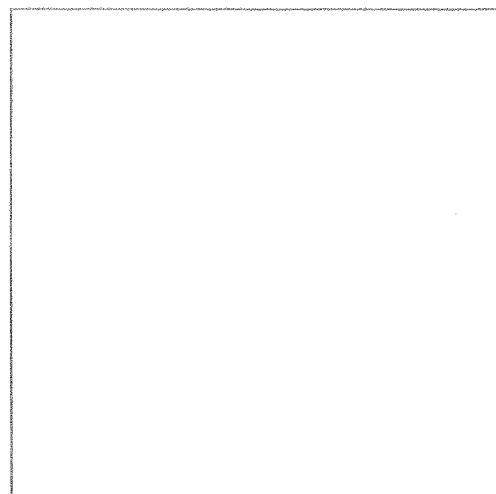
(ii) Symmetrical Balance



(v) Contrast



(iii) Pattern



(vi) Movement

Answer Sheet for Question Q1. (b)

