

UNIVERSITY OF MORATUWA, SRI LANKA  
DEPARTMENT OF INTEGRATED DESIGN

0288

MARKS [Office Use Only]	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
T	

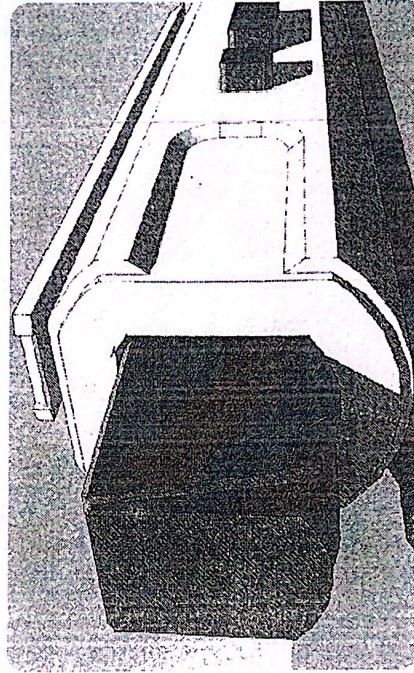
TITLE : B.Des. APTITUDE TEST  
DATE : June 2014  
DURATION : Three [3] Hours

INSTRUCTIONS:

1. Answer all the questions.
2. Answers should be given in the question paper itself.
3. All the questions should be answered in English.
4. Sinhala and Tamil translations are for reference purpose only.

**QUESTION 01. [ 30 Marks ]**

Following figure illustrates a portion of an object.



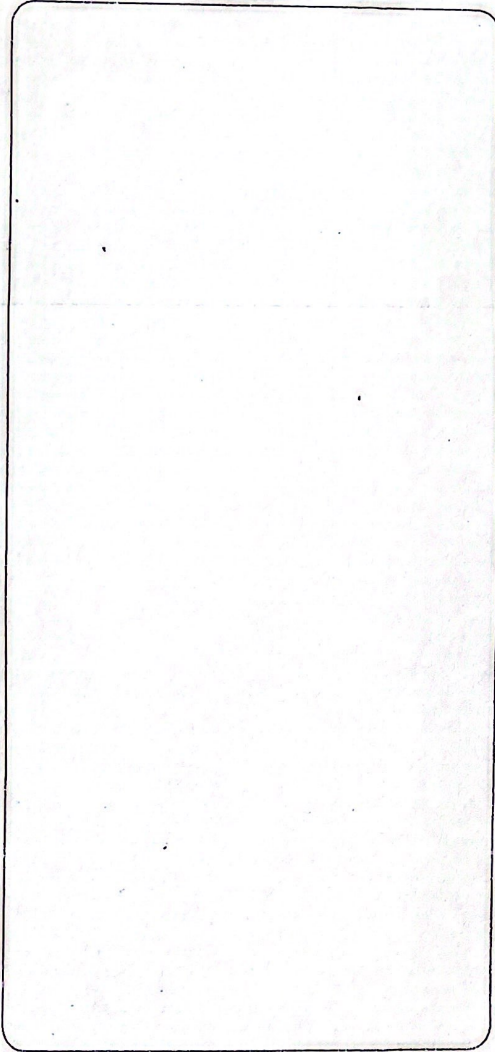
1. [10 Marks]

- a. Identify and name the object.

INDEX NUMBER  
UNIVERSITY OF MORATUWA  
WJJS SERVICE  
PHOTO COPY SERVICE

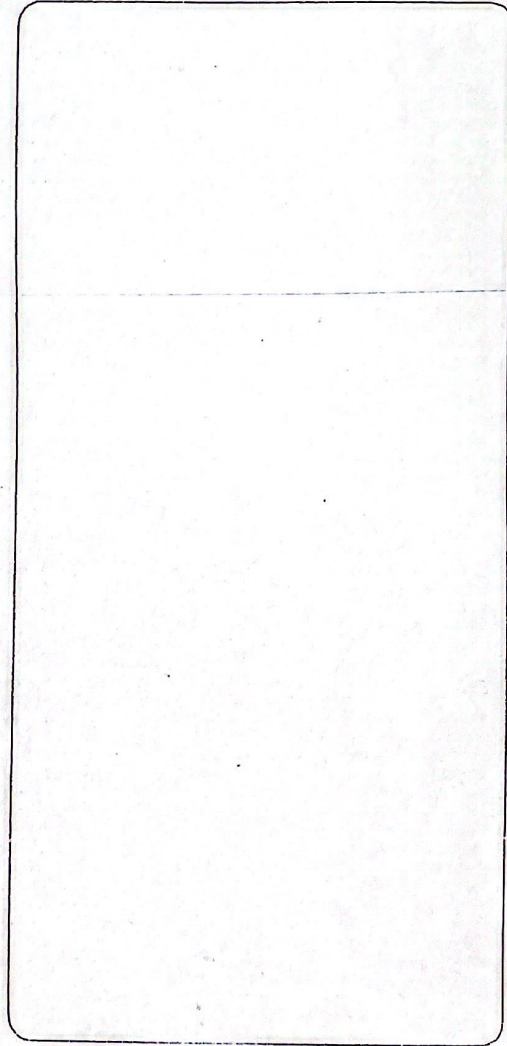


b. Draw the whole object in human usage.



2. [10 Marks]

a. Disassemble the object and draw the parts in the space given below.



INDEX NUMBER

W U S  
PHOTO COPY SERVICE  
UNIVERSITY OF MORATUWA

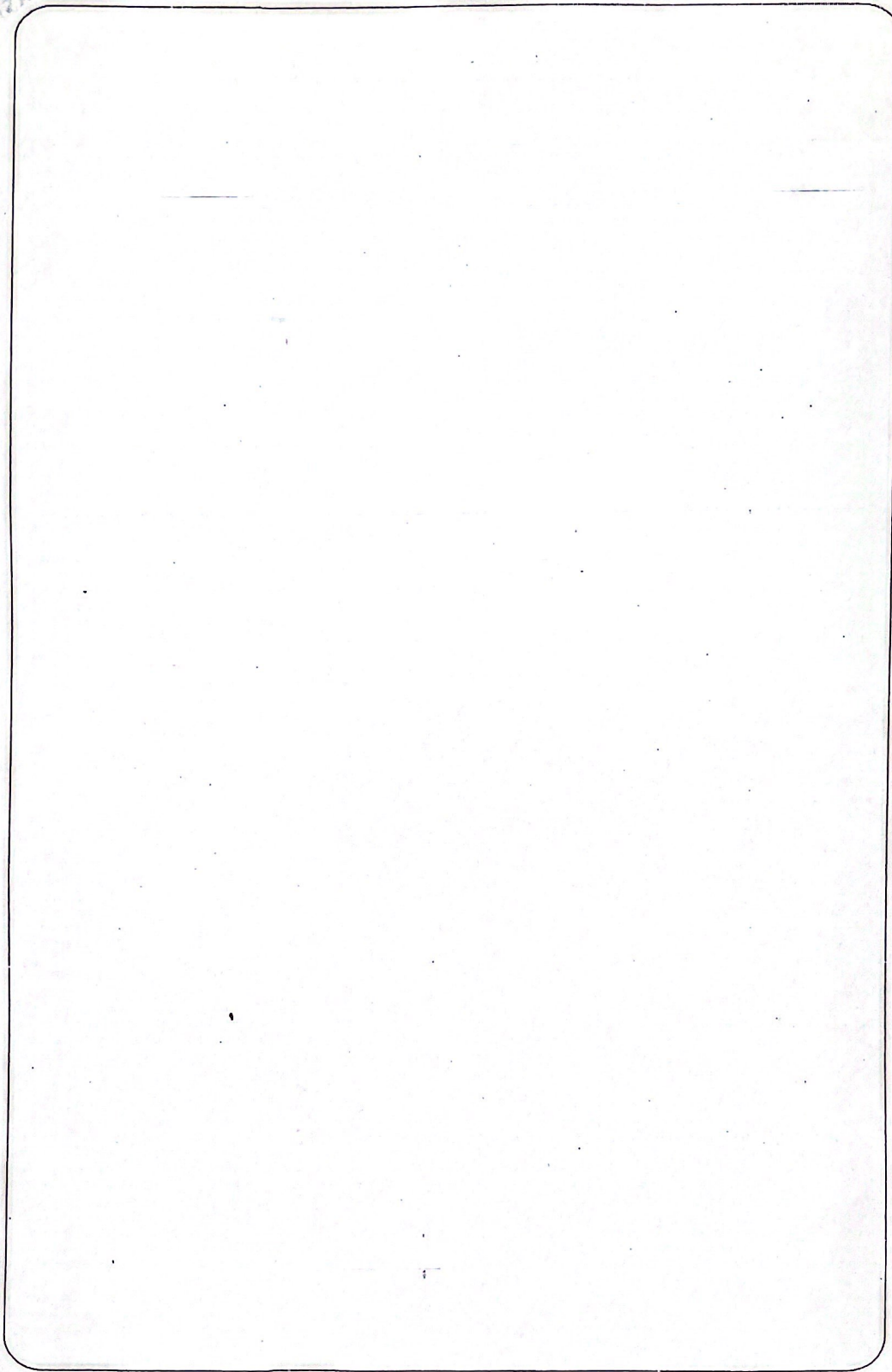
18

U.Des. Aptitude Test 2014 - Department of Integrated Design, Faculty of Architecture, University of Moratuwa



UNIVERSITY OF MORATUWA  
FACULTY OF ARCHITECTURE  
DEPARTMENT OF INTEGRATED DESIGN

- b. Reassemble the parts in section [2.a.] for a different human usage. Visualize and draw the reassembled object in its usage with appropriate notes.

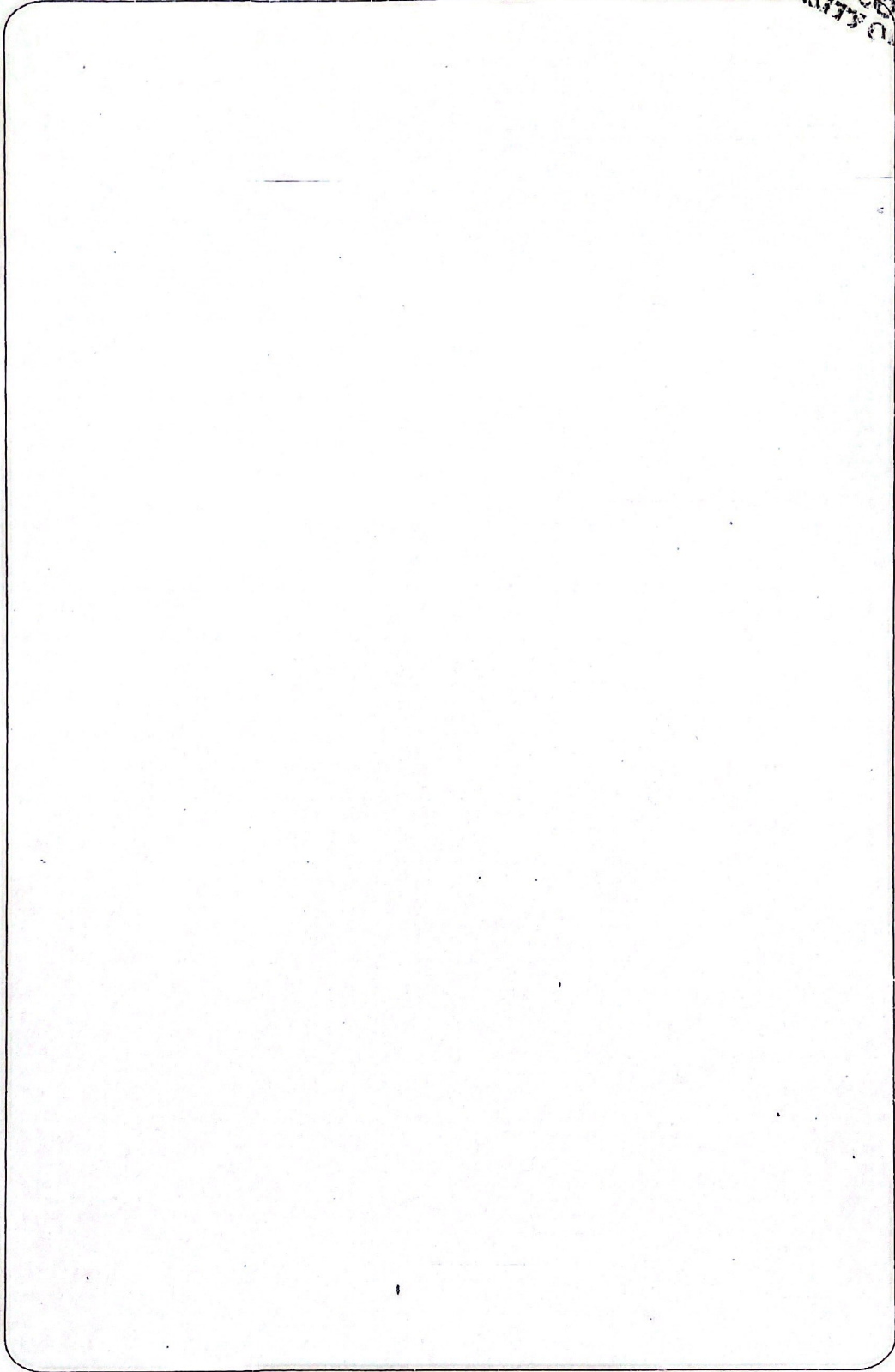


INDEX-NUMBER



3. [10 Marks]

Visualize and draw the object drawn in section [2.b.] in function in a scale 50 times larger. Support your answer with illustrations and notes.



INDEX NUMBER

PHOTO COPY  
UNIVERSITY OF MORATUWA

B.Des. Aptitude Test 2014 - Department of Integrated Design, Faculty of Architecture, University of Moratuwa

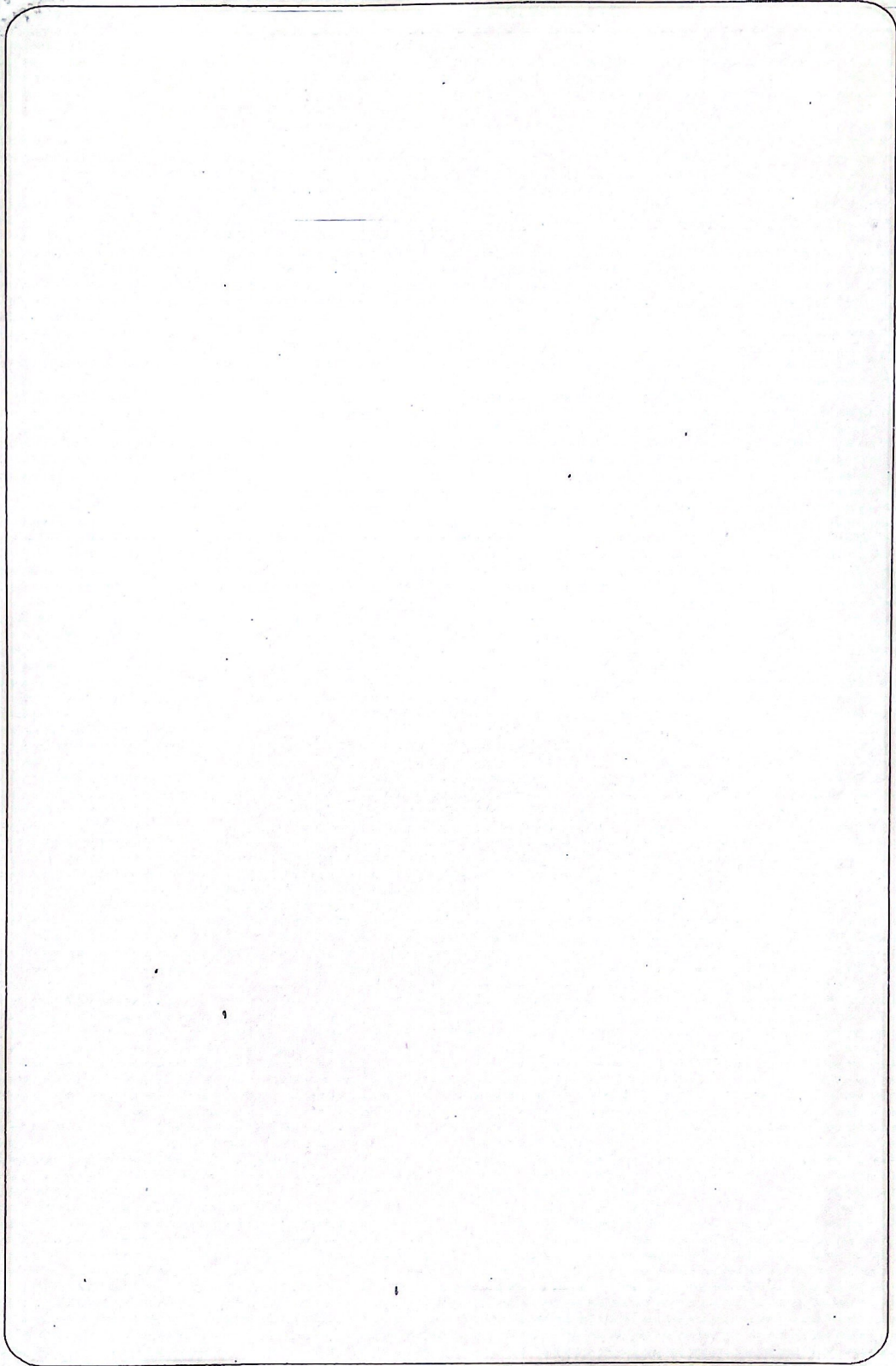


APTITUDE TEST GUIDER

The leading aptitude test guiding programme (University of Moratuwa aptitude tests)

**QUESTION 02. [15 Marks]**

Imagine and draw a cartoon published in a Sunday newspaper in Tamilnadu which depicts the foreign policy towards Sri Lanka of newly elected Prime Minister in India, Mr. Narendra Singh Modi.



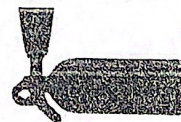
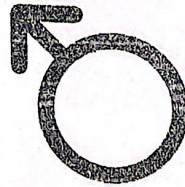
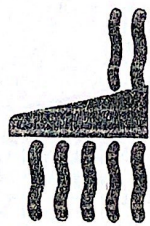
**QUESTION 03. [20Marks]**

You are provided with a list of words. Select the most appropriate word from the given list and write it in the space given in column 1. In column 2, write the opposite word and draw it in the given box.

- |             |         |       |            |           |           |         |      |
|-------------|---------|-------|------------|-----------|-----------|---------|------|
| Handicapped | Barrier | Sick  | Risk       | Sky       | Proceed   | Hostile | Sea  |
| Crisis      | Wild    | Noise | Strong     | High      | Closed    | Dream   | Slow |
| Past        | Evil    | Lass  | Egg        | Poisonous | Masculine | Bird    | Odd  |
| Trick       | Game    | Stick | Extinguish |           |           |         |      |

**COLUMN 1**

**COLUMN 2**



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WUS  
 PHOTO COPY SERVICE  
 UNIVERSITY OF MORATUWA

INDEX NUMBER

By: Dr

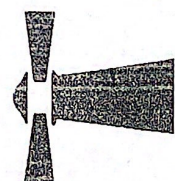
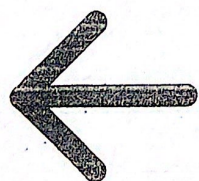
B.Des. Aptitude Test 2014 - Department of Integrated Design, Faculty of Architecture, University of Moratuwa



UNIVERSITY OF MORATUWA  
SCHOOL OF ARCHITECTURE  
M. D. S.

INDEX NUMBER

--	--	--	--

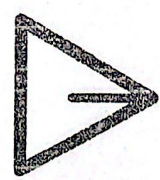
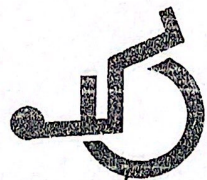
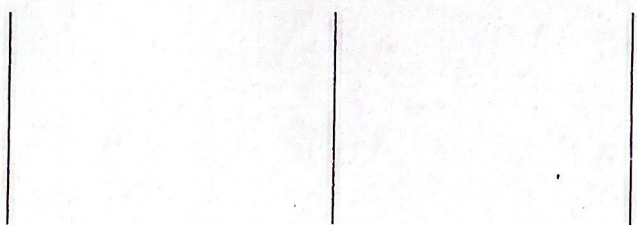
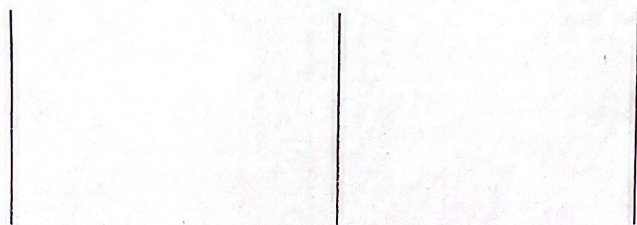
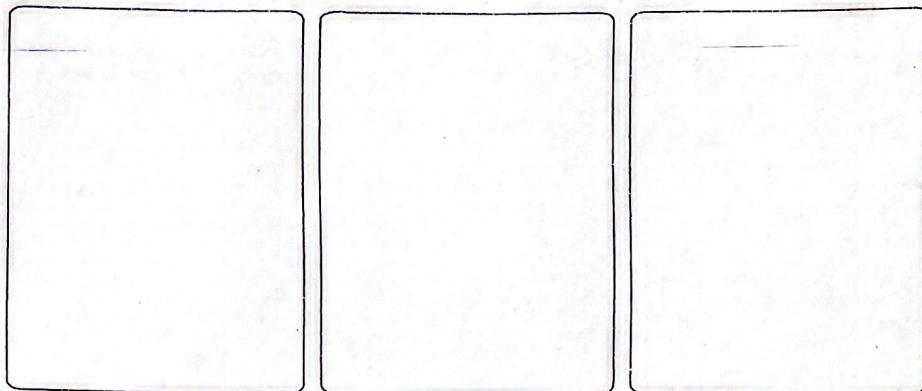
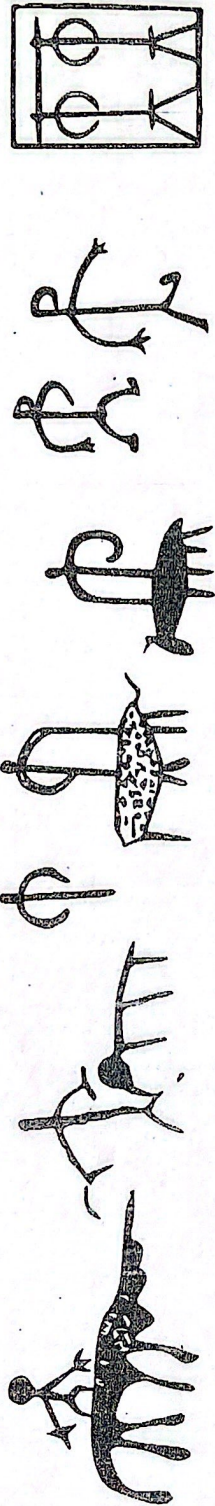




PHOTO COPY SERVICES  
UNIVERSITY OF MORATUWA

QUESTION 04. [05 Marks]

Use the following illustrations to build a story.



A series of horizontal lines for writing the answer.

**QUESTION 05. [15 Marks]**

Read the following paragraph carefully and answer the questions.

Piyal's house is located at a place called the lower ferry point by the west bank of a river that flows towards south at the same location. One day Piyal started a walk from his house to the Temple which is located in the upper area of the village. He started the journey from a road that lies towards the railway which is located at the western side of his house. The railway goes parallel to the river and Piyal had to walk 195 meters to reach the railway line. When he reached the railway line he turned to his right hand side and started walking along the railway line about 120 meters. Once he reached above 120 meters he found a road on to his right. He turned towards that road and continued his walk. He found a stairway to his left hand side after walking about 40 meters ahead. He started climbing the stairway and reached 30 meters vertical height by climbing 50 meters on the stairway. After climbing the stairway he turned to his right and continued his walk about 80 meters. Then he found another stairway to his left. Before he turned to climb the stairway he saw a waterfall of the same river straight ahead from the point where he was standing. The waterfall was located in a distance of 75 meters from the standing point. He started climbing and once he reached the top from 100 meters on the stairway he has passed 80 meters of a horizontal length. After climbing the stairway he found a playground from the western side while he could see a giant mango tree from his right hand side. The tree was located in the other bank of the river. He turned towards the playground and started walking through the ground about 75 meters straight. After finishing above 75 meters he reached the edge of the playground. Then he found another stairway to his right and he started climbing. He reached the top with a 60 meters vertical height by climbing stairs of 100 meters. At the end of the stairs he found the river again from his right. There was a bridge to pass the river and he started walking over the bridge. Length of the bridge was 20 meters and he found another road straight ahead at the end of the bridge. He continued his walk on the above road around 130 meters to reach the Temple. Location of the bridge is known as the upper ferry point of the village.

1. What is the geographical direction of the mango tree when it is visible to Piyal?  
\_\_\_\_\_
2. Find the height of the location of the Temple from the lower ferry point.  
\_\_\_\_\_
3. Find the length of the river from upper ferry point to lower ferry point including the height of the waterfall.  
\_\_\_\_\_



UNIVERSITY OF MORATUWA  
PHOTO COPY SERVICE  
M.D.S

INDEX NUMBER

**QUESTION 06. [15 Marks]**

Design a mouse for a physically challenged person having only 3 fingers.  
Support your answer with illustrations and notes.

