

Department of Integrated Design  
Faculty of Architecture,  
University of Moratuwa Sri Lanka.

B. Des. APTITUDE TEST | July 2015 DURATION : Three [3] Hours

INSTRUCTIONS.

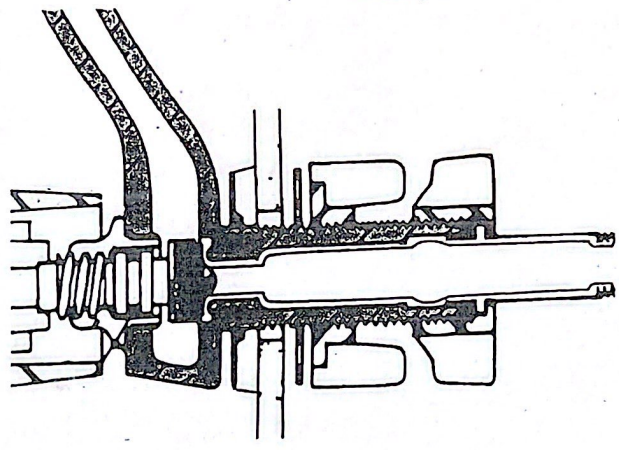
1. Answer all the questions.
  2. Answers should be given in the question paper itself.
  3. All the questions should be answered in English.
  4. The original question paper is in English.
- Sinhala and Tamil translations are provided only for additional understanding.

Index Number
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For office work	
Q1	
Q2	
Q3	
Q4	
Q5	
Total	

Question 1	30 Marks
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Following sectional drawing illustrates a portion of an accessory which belongs to a domestic service system.



1.1) [10 Marks]

1.1.a) Identify and name the accessory.

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1.1.b) What is the service system that the above accessory belongs to?

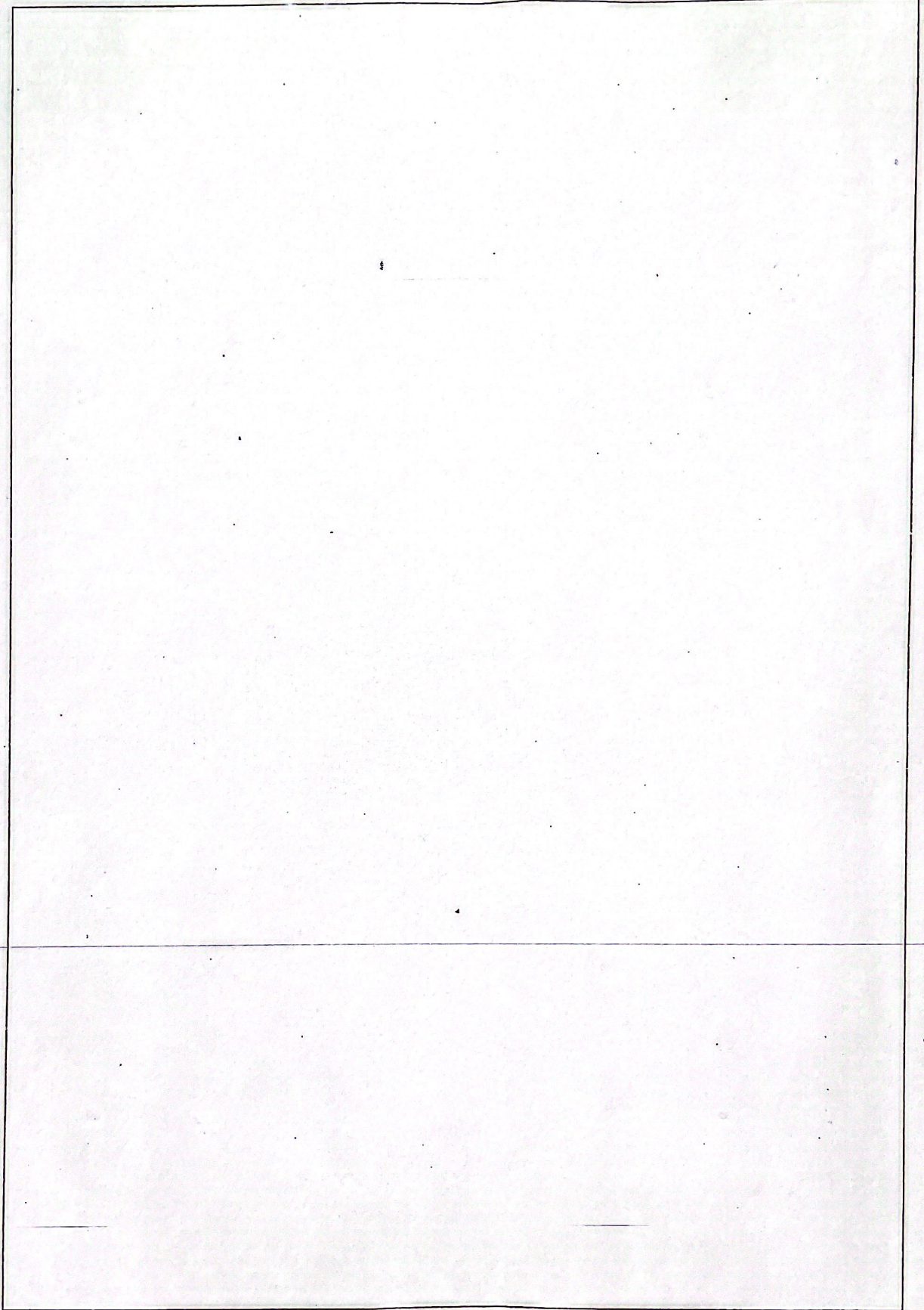
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1.1.c) Give the sectional drawing of complete accessory (1.1.a) in the space given below.

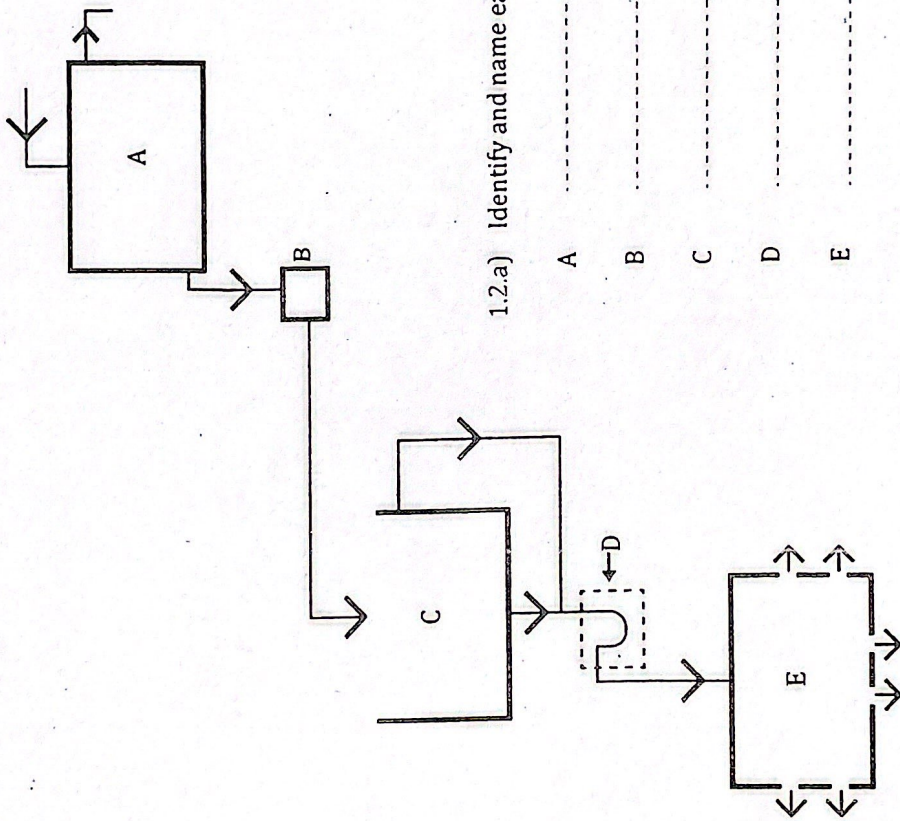
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1.2) [10 Marks]  
The following diagram is an indication of the domestic 'service system' related to the above accessory (1.1.a).



1.2.a) Identify and name each component of the system

A

B

C

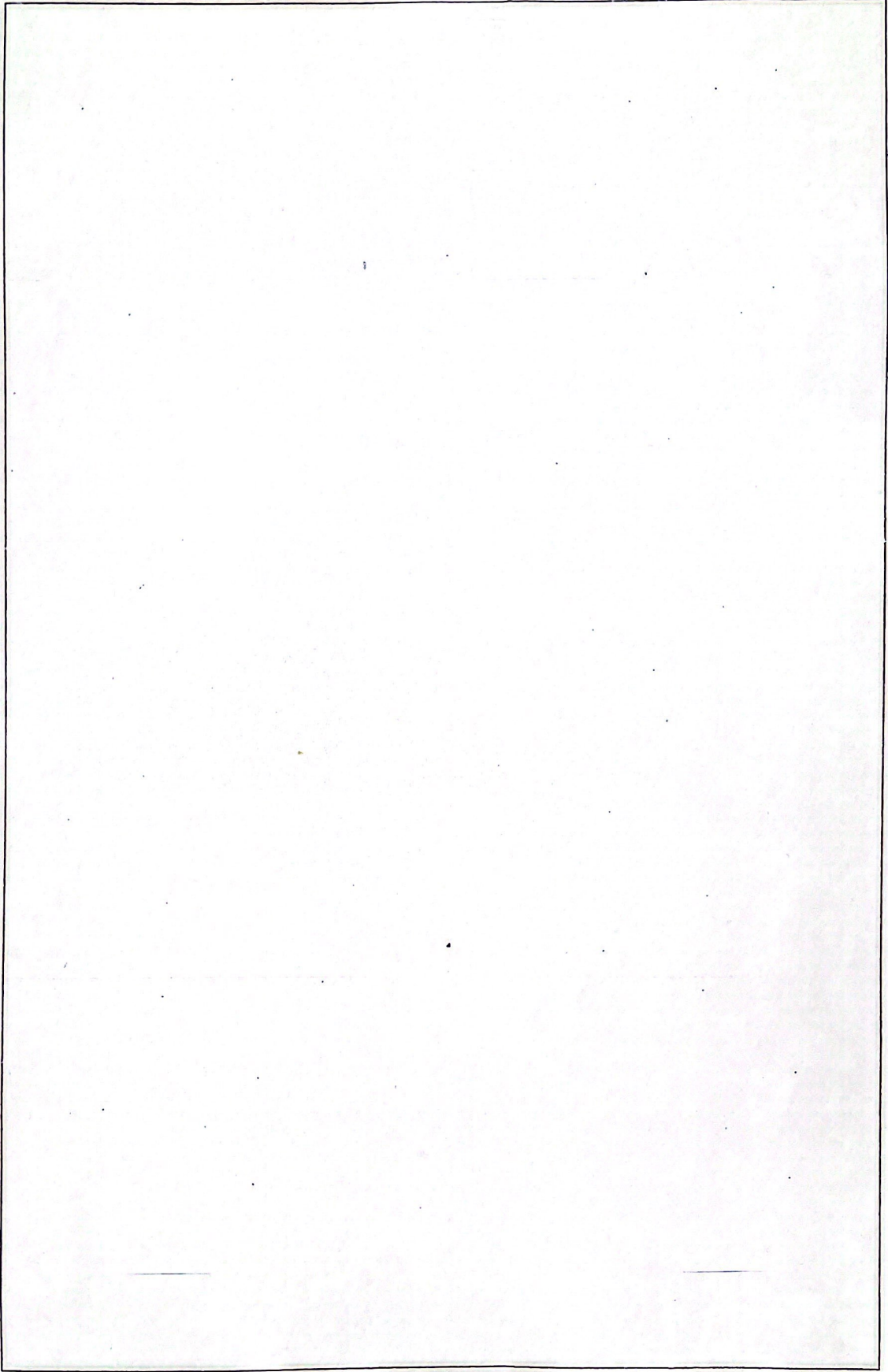
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E



1.2.b) Select one of the components identified in "1.2.a": Give a detailed sectional drawing of it with annotations.

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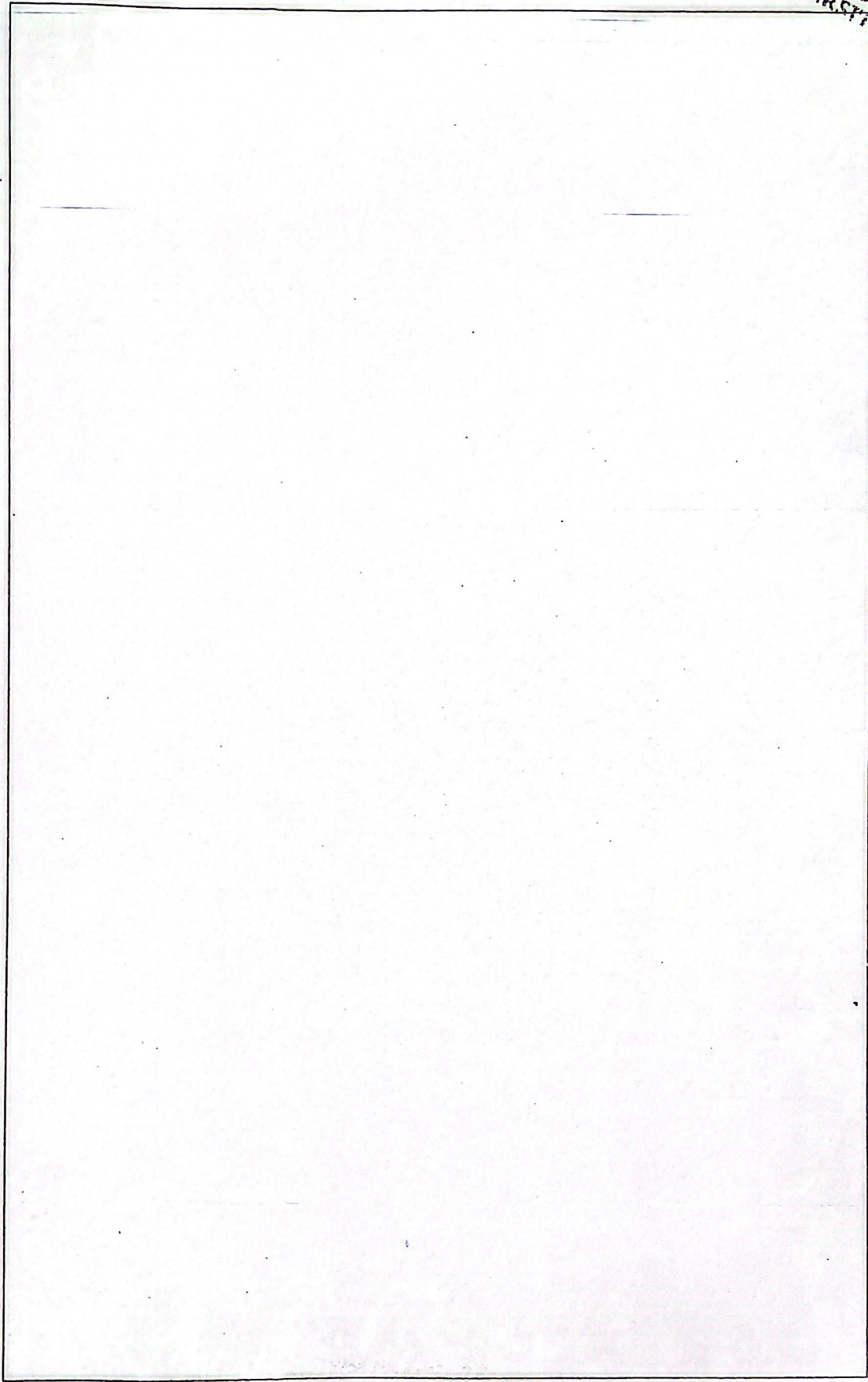
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1.3) [10 Marks]

Modify the system identified in "1.1.b." for a non-domestic usage. Illustrate your answer with outline diagrams, sectional drawings. Support your drawings with annotations and appropriate notes.



## “Port City Project Environmental Time Bomb? 1.4 billion US dollar Investment

The Colombo Port City Project is a 1.4 billion US dollar investment by China Communication Construction Company Limited. The largest Chinese investment in Sri Lanka. However, this mega project would be doing more harm than good. Several environmentalists and environmental organizations claim, the adverse environmental impacts the project will cause would be far more than the economic benefits it may have to offer.”

- CEYLON TODAY, 2015-06-21

The group of environmentalists, mentioned in the news, are planning to launch a public awareness campaign in Colombo in near future.

### 2.1) [05 Marks]

Develop a 'project title' for the awareness campaign.

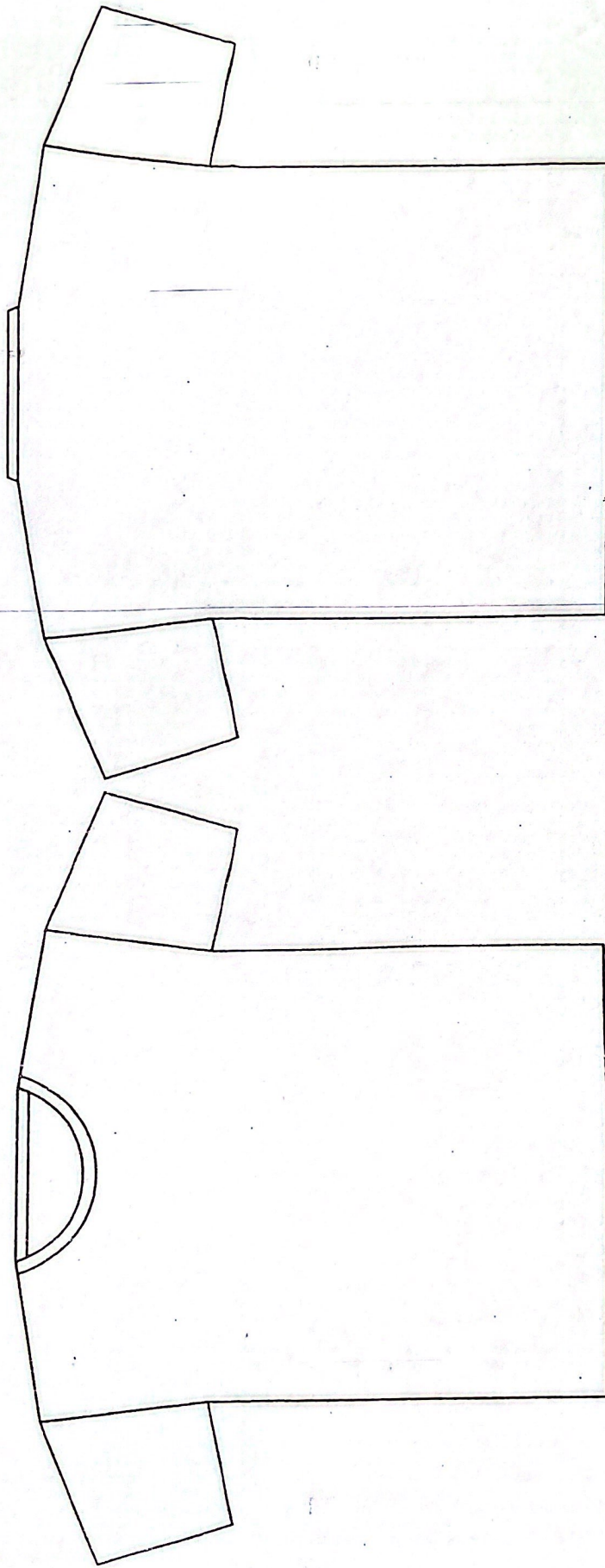


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2.2) [10 Marks]

Illustrate a communicative graphic for the front of the campaign t-shirt and compose the 'project title' as the back side graphic of the t-shirt. Use given space below to explain the meaning of the graphics.



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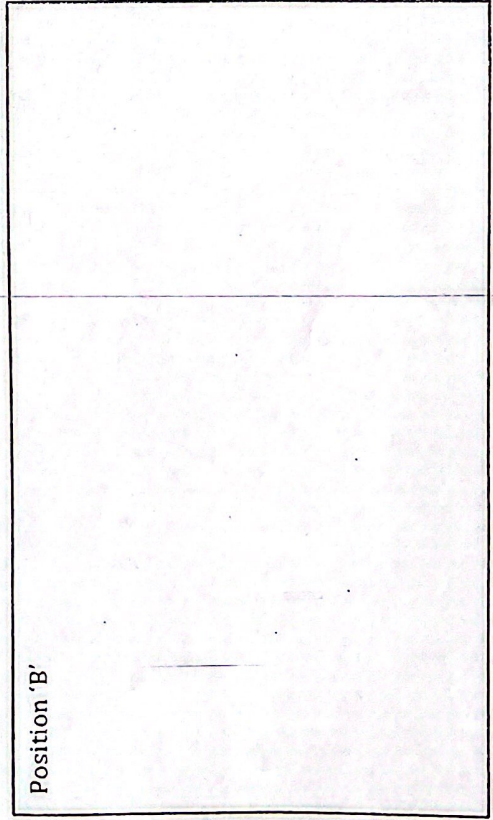
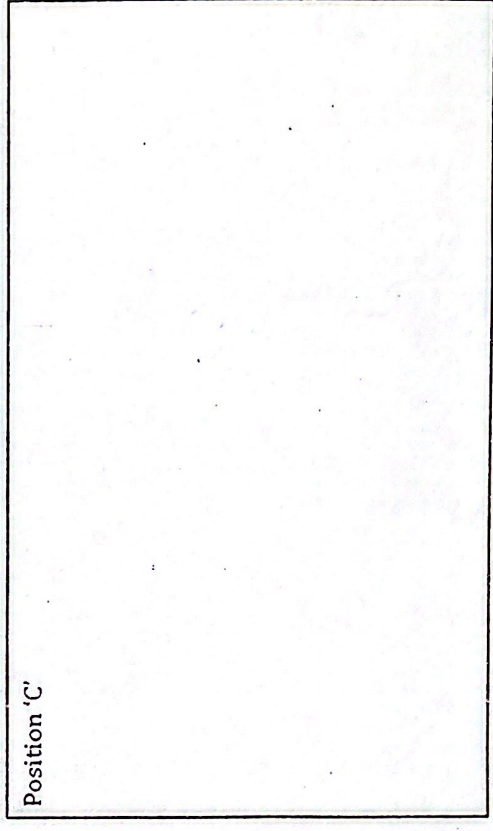
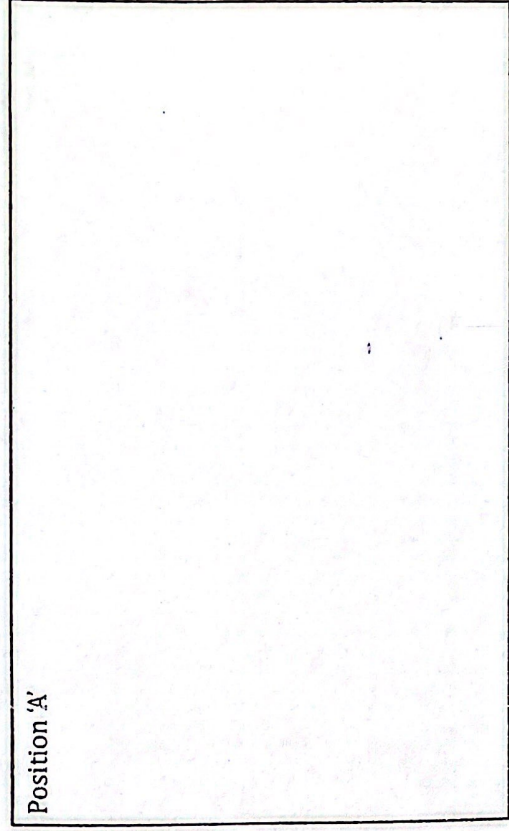
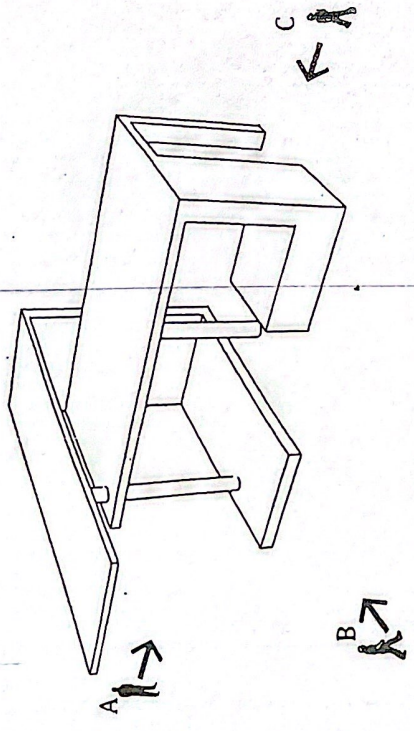


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Question 3 20 Marks

Given below are two objects. Draw the object as seen by the man from the given position. Restrict to line drawings

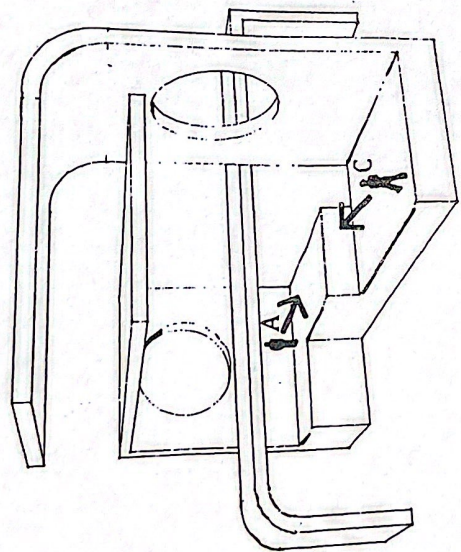
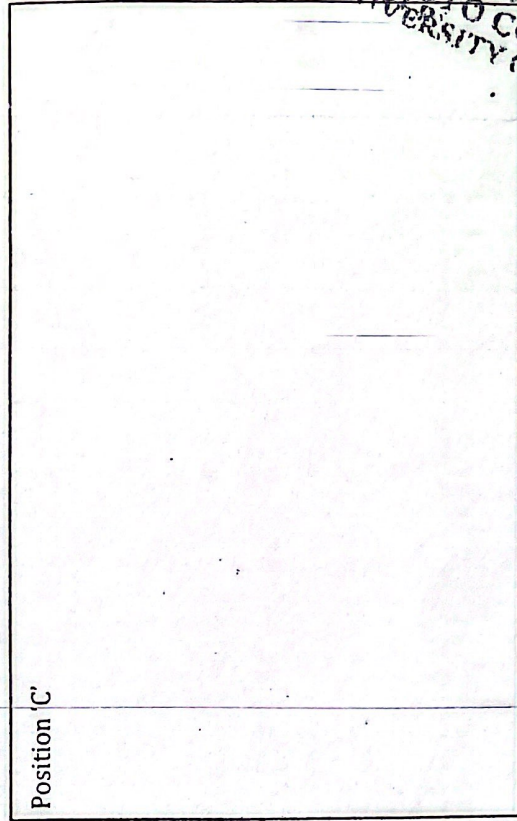
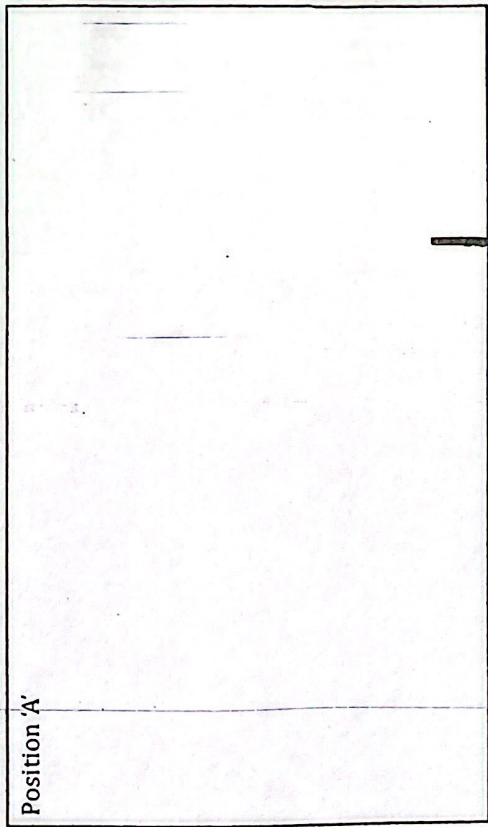
Object 1



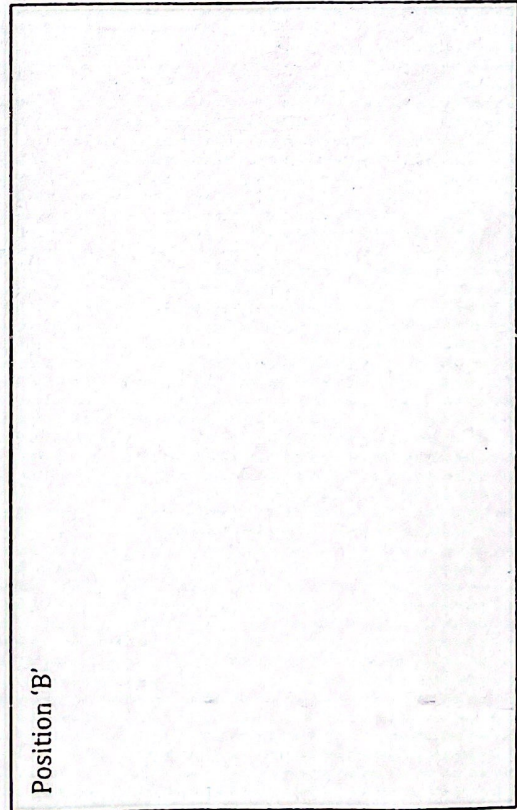
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Object 2



Question 4 15 Marks

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Create single-sentence stories in the space given using any four [4] of the respective seven words [7]. Answer all three questions.

4.1) [05 Marks]

MANNEQUIN, WONDER, SEPARATE, RARELY, ECLIPSE, SWIM, GENERAL

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4.2) [05 Marks]

INSPECT, MELODIC, PARLIAMENT, FINGERS, SIDEWAYS, CARROT, ANIMATE

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4.3) [05 Marks]

BRANCH, ECHO, TRANSPORT, SCRIBBLE, FUTURE, SWAMP, ORANGE

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Question 5    20 Marks

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It is a common scene that the fishmonger who comes by bicycle uses a container to keep fish while selling. Usually this container is tied to the rear luggage carrier of the bicycle.

5.1) [05 Marks] Identify and write five [5] related issues/problems of the fish container.

A

B

C

D

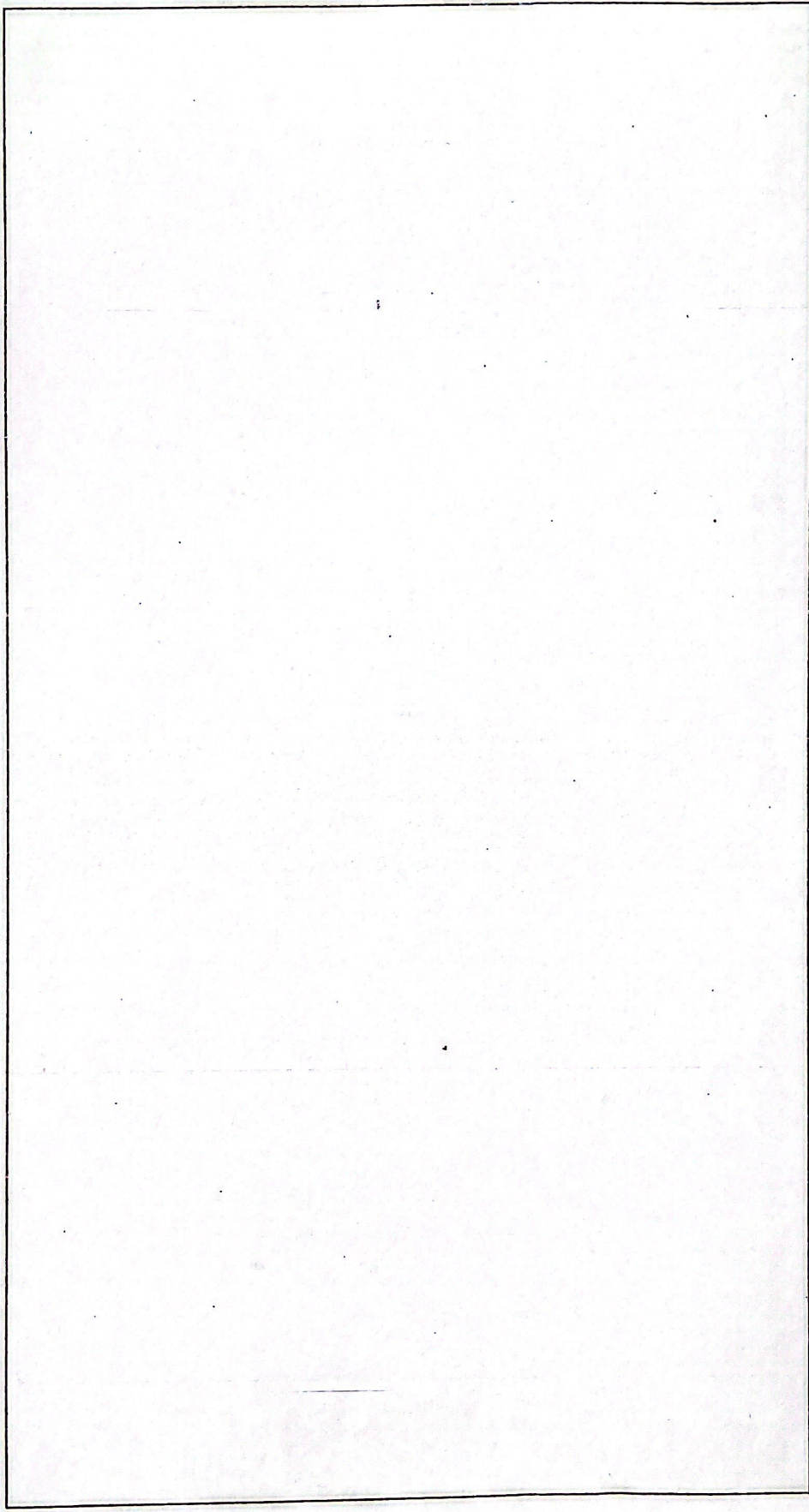
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5.2) [15 Marks] Select one issue identified in "5.1" and propose a design to minimize the identified issue. Restrict to line drawings for illustrations. Support your drawings with annotations and appropriate notes. Use given space below to describe your design.



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