

MARKS [Office use only]	Q.01 15%
	Q.02 15%
	Q.03 20%
	Q.04 20%
	Q.05 10%
	Q.06 20%
TOTAL MARKS	

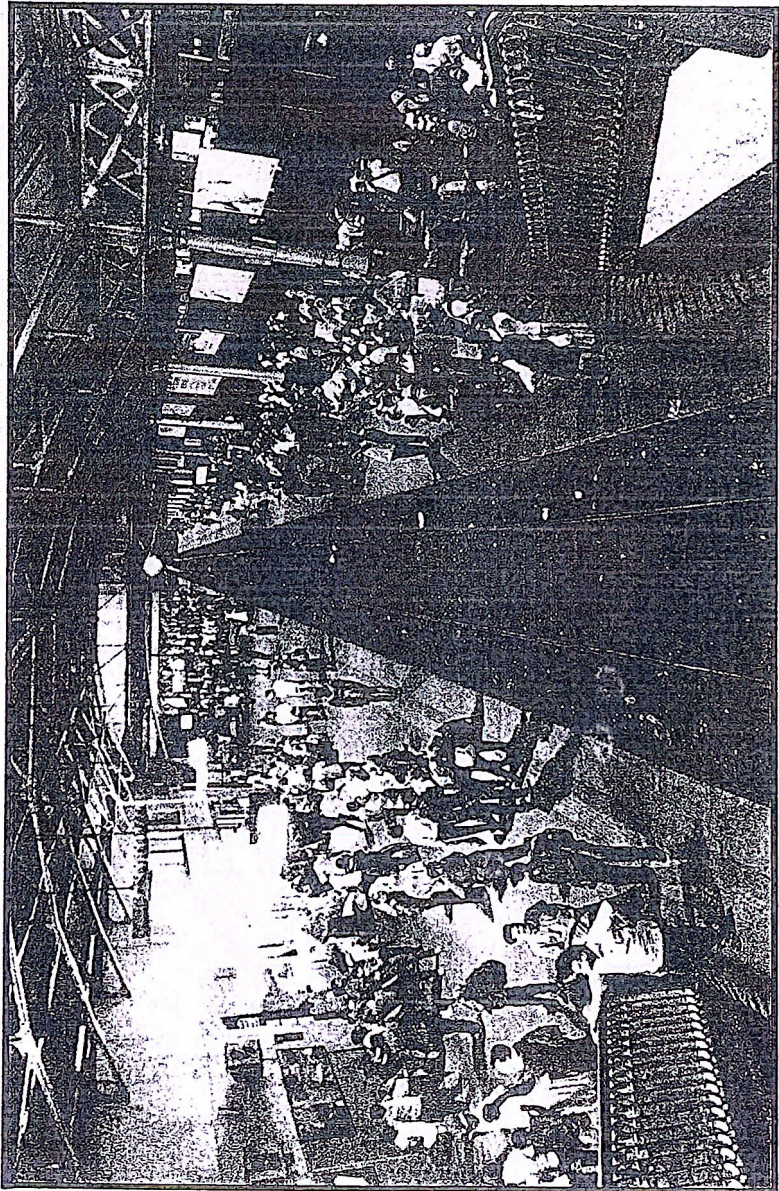
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- INSTRUCTIONS**
1. Answer all the questions.
  2. Answers should be given in the question paper itself.
  3. All the questions should be answered in English.

**TITLE** : B.Des. APTITUDE TEST  
**DATE** : March 2018  
**DURATION** : Three [3] hours

**QUESTION 01.** [ 15 Marks ]

Below is an image of the Colombo Fort Railway Platform.  
 Identify **three unique problems** from the point of view of the users.



- 01. a.** Describe these unique problems briefly in the space provided.
- 01. b.** Briefly justify each of these problems in the space provided.
- 01. c.** Illustrate a solution for each of the identified problems with a sketch in the space provided.

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Problem 3.

Justification for the problem 3.

Solution for the problem 3.



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**QUESTION 02.** [ 15 Marks ]

An animation film for 5 to 12-year-old children is in pre-production stage. The film is based on the relationship between a child (girl/boy) and his/her puppy. This is a short breakdown of a sequence from the film.

**Shot 1.** A 10-year-old child (girl/boy) and his/her puppy are playing with a ball in a field.

**Shot 2.** Suddenly she/he notices a huge eagle swooping down on the puppy.

**Shot 3.** The eagle reaches out with its talons (claws), grabs the puppy and flies off.

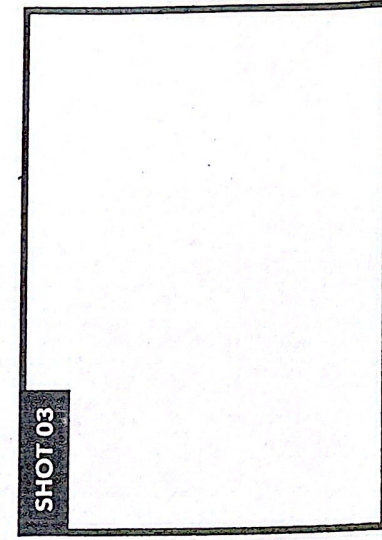
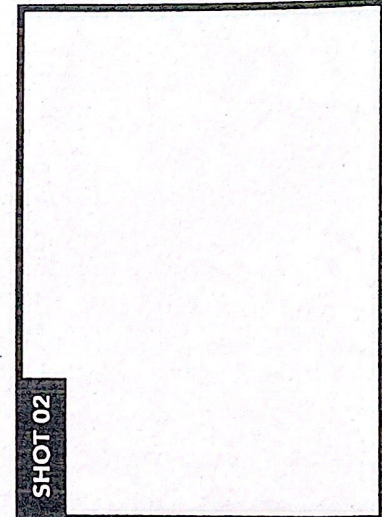
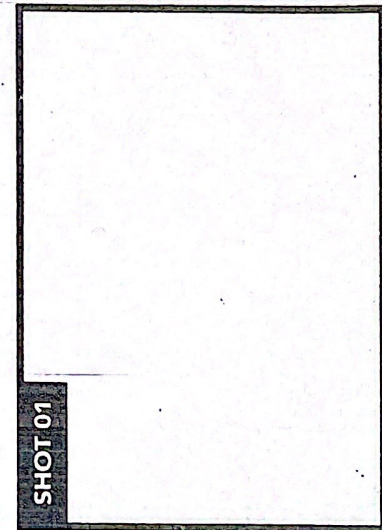
**Shot 4.** The kid sees the puppy being carried away.

**Shot 5.** The kid picks up the ball and throws it at the eagle.

**Shot 6.** The ball hits the eagle and he drops the puppy.

**Shot 7.** The girl/boy is reunited with the puppy and hugs him.

- a) Illustrate (Create a Storyboard of) the above shots as a series of picture frames. Compose your shots inside the given frames.  
Pay attention to communication of the narrative through sequential pictures and shot composition.
- b) Draw shot 3 (the eagle reaching out, about to grab the puppy) in detail in a style which is one of the following.  
Line drawing is sufficient. Detailed rendering and shading can be done if needed.
- i. Realistic
  - ii. Stylized
- Pay attention to illustration skills, composition and perspective (if realistic style is chosen)  
or Illustration style (if stylized is chosen.)



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SHOT 06

SHOT 05

SHOT 03 - Detailed

SHOT 04

SHOT 07



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**QUESTION 03.** [ 20 Marks ]

Identify your favorite rock star/film star and imagine that he/she has met with an accident and injured his/her leg. **Design a multi-purpose walking aid** for your favorite star which he/she wants to use during the National music/film awards ceremony in 2018. Keeping his/her personality in mind, come out up with a creative design. You can make use of new technologies (if needed).

- a) Identify **five distinct factors** essential for designing a walking aid for your favorite star. Describe these briefly in the space provided.
- b) Generate three ideas through pencil sketches based on the factors identified above. Present these pencil sketches along with brief notes (if necessary) in the space provided.
- c) Choose one of the ideas in section b] and synthesize your final design and present this through a detailed drawing, showing the overall form and its construction details, mentioning the materials, in the space provided on page 09.

**a) Five Distinct Factors**

**Factor 1.**

**Factor 2.**

**Factor 3.**

**Factor 4.**

**Factor 5.**

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b) Three ideas - sketches and brief notes

IDEA 01

IDEA 02

IDEA 03

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ok





c) Final design

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**QUESTION 04. [ 20 Marks ]**

The issue of corruption is becoming a major concern and people are agitating over the issue. It is a social responsibility of a designer to create awareness of this issue amongst common people so that they are properly informed about this, through visual media. Your task is to **design an anti-corruption awareness poster** to capture the essence of the issue. You can make use of text, graphics or both.

- a) Identify at least five distinct factors essential for representing the issue of corruption. Write briefly in the space provided.
- b) Generate three distinct ideas through pencil sketches based on the factors identified above. Present these pencil sketches along with brief notes in the space provided.
- c) Select one of the above ideas and create your final detailed design of the poster and present it through a drawing on page 12 (You may use colors if necessary)

a) **Five distinct factors**  
Factor 1.

Factor 2.

Factor 3.

Factor 4.

Factor 5.

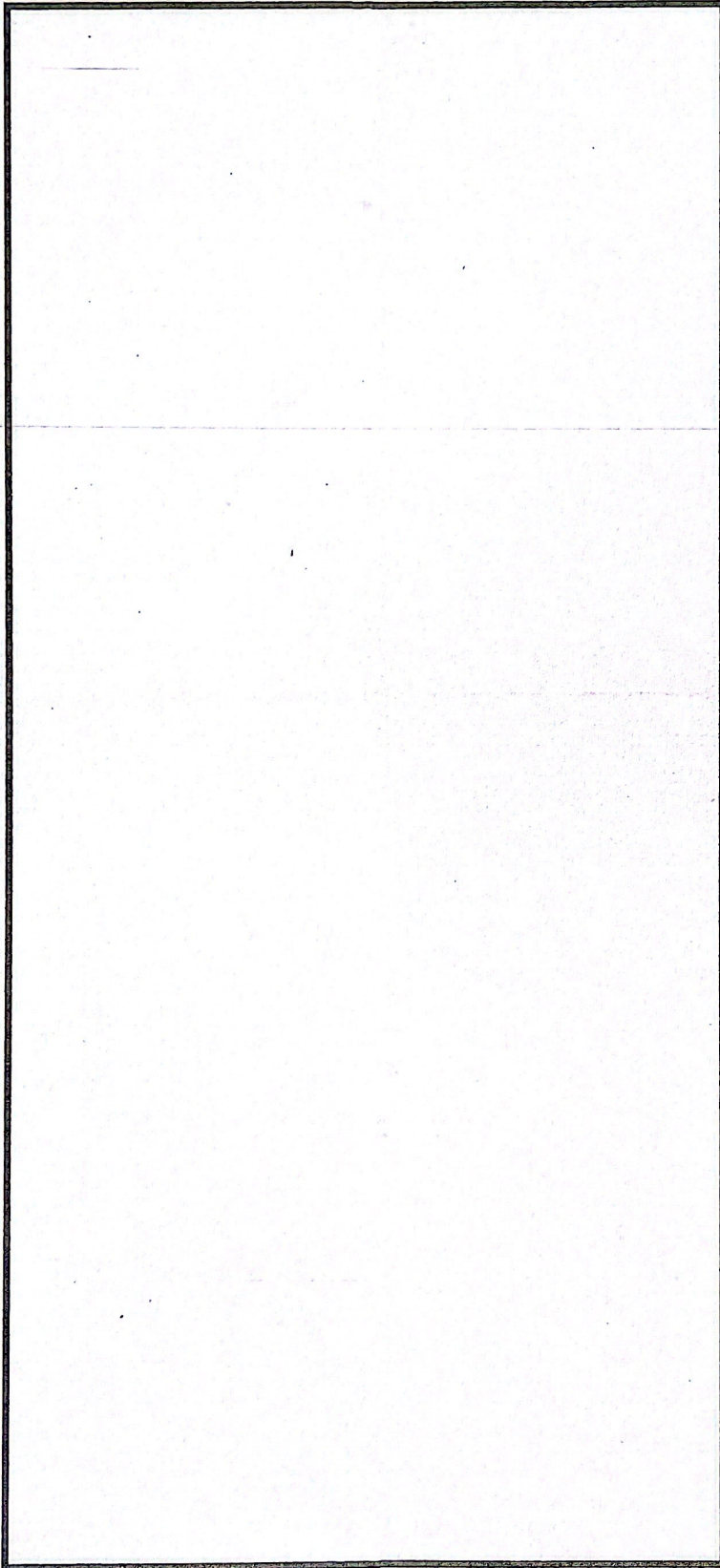


b) Three ideas - sketches and brief notes

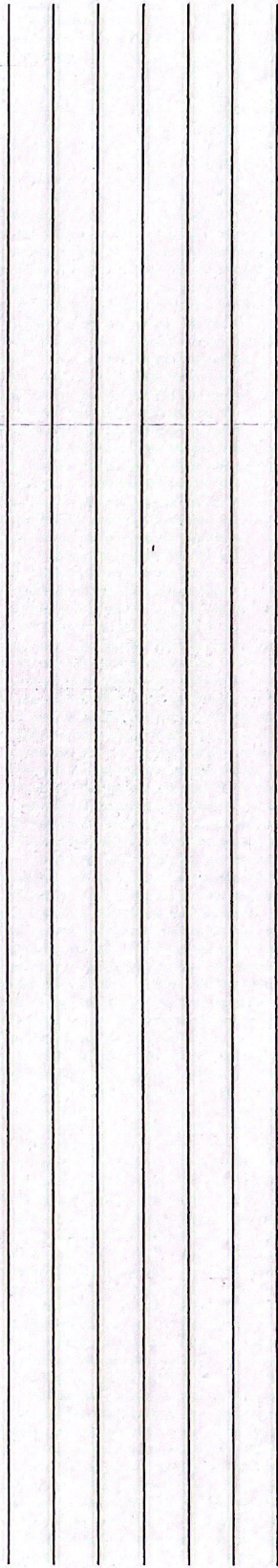
<p>IDEA 01</p>	<p>IDEA 02</p>	<p>IDEA 03</p>
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c) Final design



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**QUESTION 05. [ 10 Marks ]**

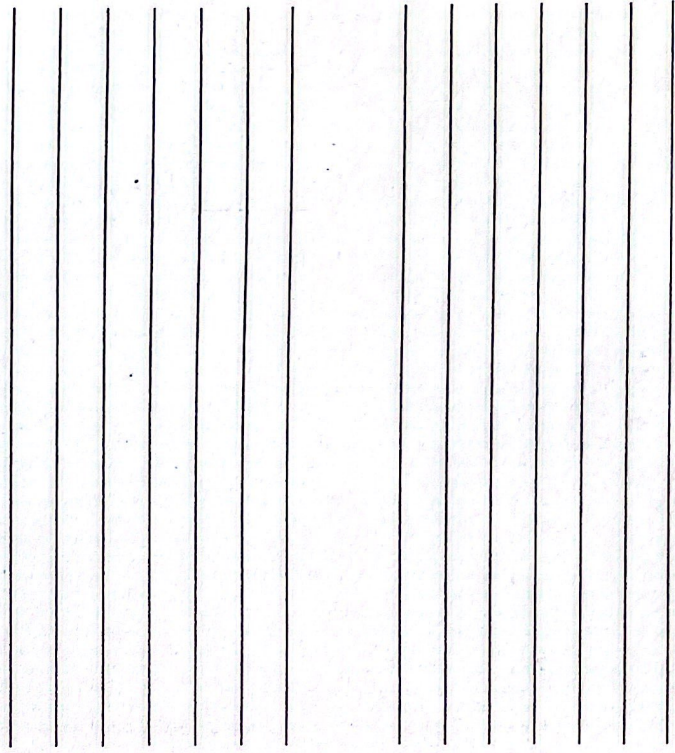
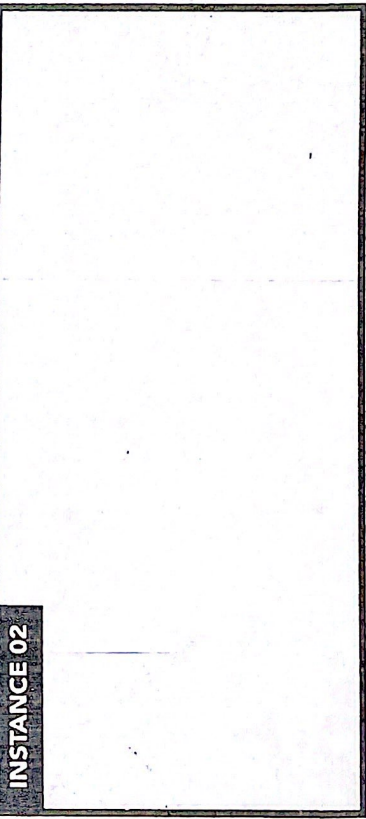
You are given a special magic liquid. You can make anything invisible by spraying this liquid on it.

**Describe five instances** where you will use this liquid in your daily life.  
Use a sketch and a brief note (less than 20 words) to describe each answer.

**INSTANCE 01**



**INSTANCE 02**



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INSTANCE 03

INSTANCE 04

INSTANCE 05



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**QUESTION 06.** [ 20 Marks ]

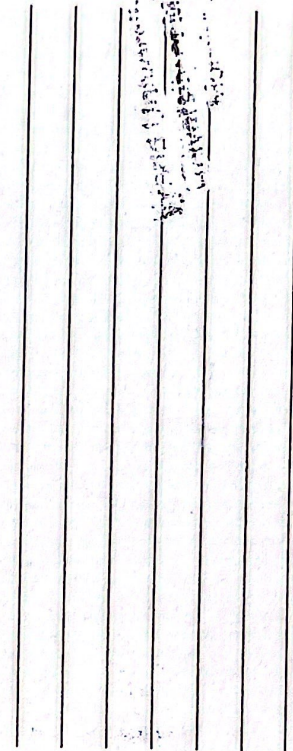
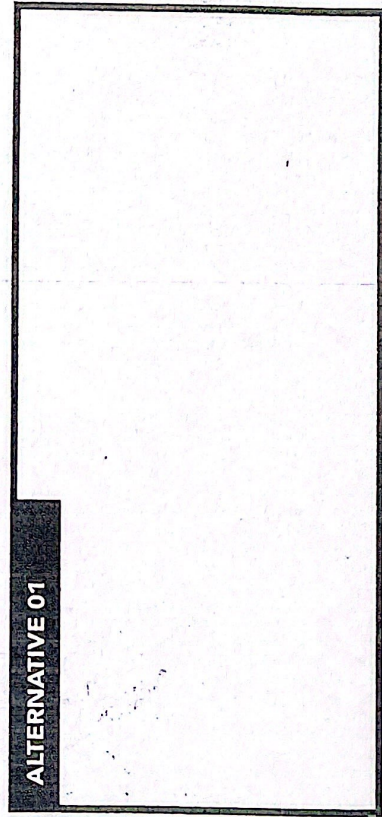
Solar energy is readily available to everyone in Sri Lanka and there is no reason, why we should not harness this for the purpose of cooking. People who keep migrating frequently, such as construction workers who are also economically challenged could particularly benefit from solar energy.

**Design a solar [thermal energy] cooking unit** to be used by construction workers. The unit should be easy to assemble, store and transport. It should be able to cook food for a minimum of 10 people at a time. When packed, its dimensions should not exceed 2 ft x 3 ft x 2 ft

- a) Present rough sketches of four design alternatives.
- b) Choose one of the above alternatives as your final design proposal. Present your final design proposal with a neat freehand sketch showing the form in the space provided on page 17.
- c) Draw an exploded view of the final product, indicating the materials and processes used in manufacturing. Support your design with a brief note on the design decisions taken in the space provided on page 18.

a) **Four design alternatives - rough sketches**

**ALTERNATIVE 01**



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S U W  
0 3 3 0  
1 3 1

Vertical lines for writing.

Vertical lines for writing.

Vertical lines for writing.

**ALTERNATIVE 02**

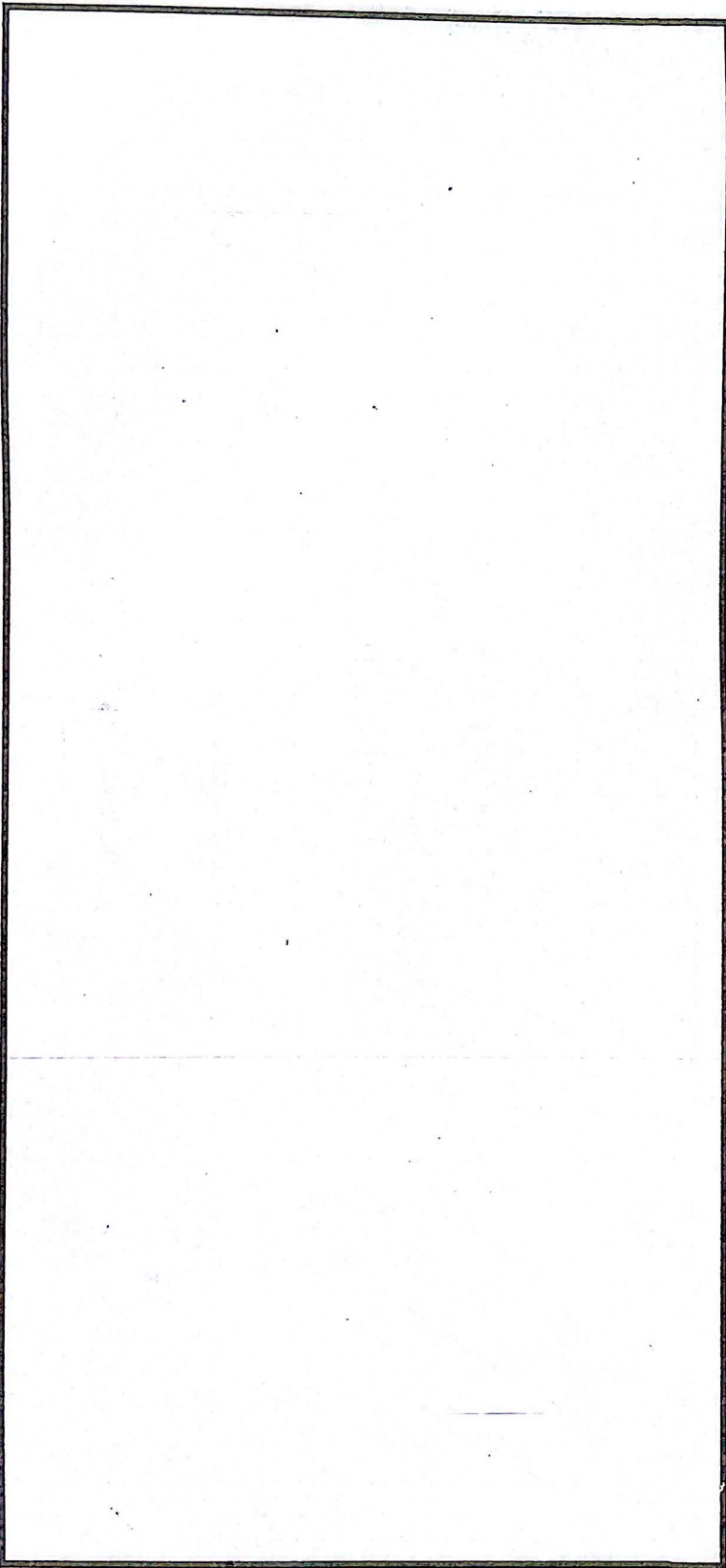
**ALTERNATIVE 03**

**ALTERNATIVE 04**

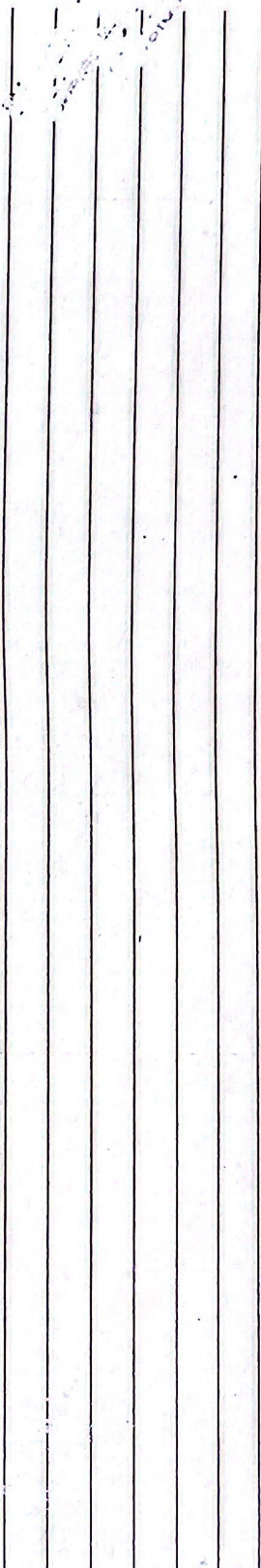




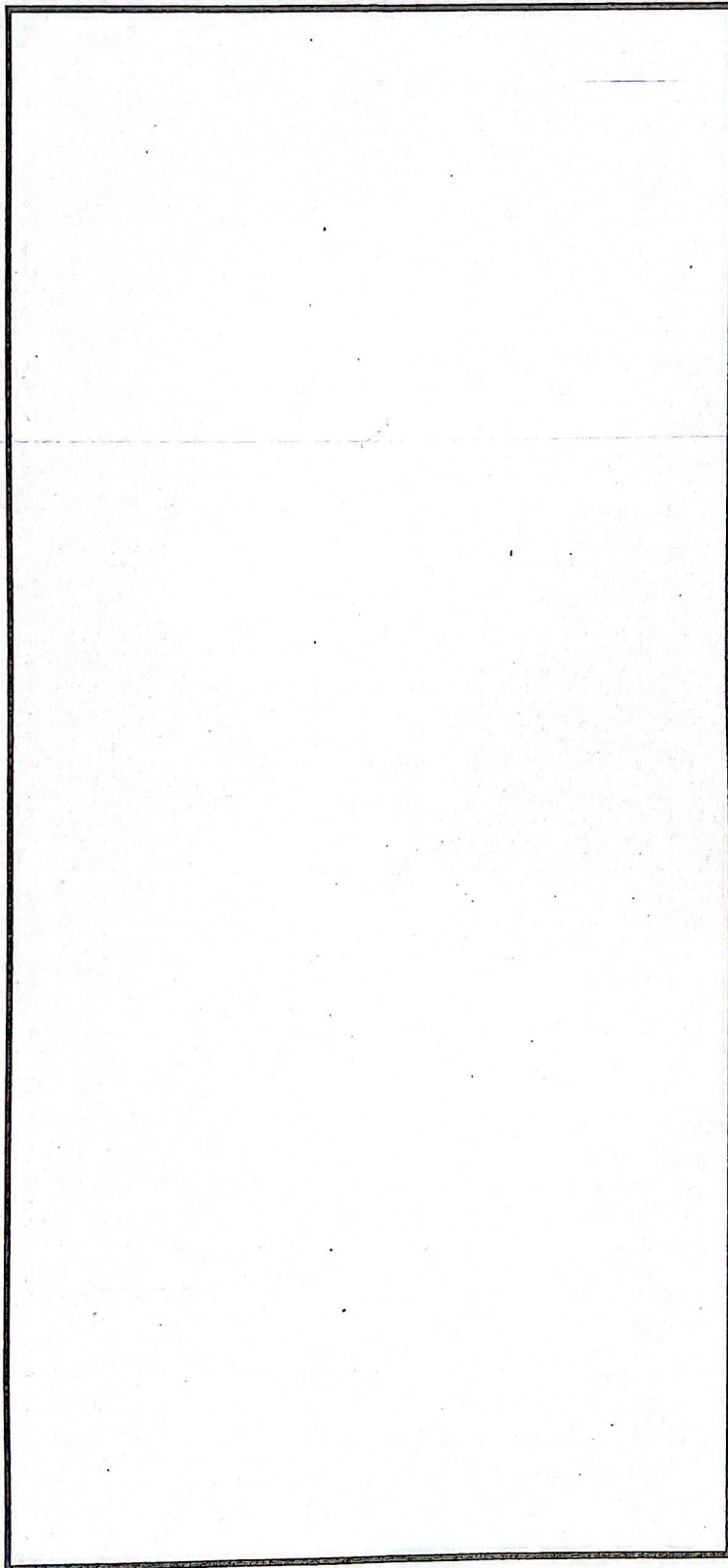
b) Final design - neat freehand sketch



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c) Final design - exploded view



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END OF PAPER.

