



DEPARTMENT OF INTEGRATED DESIGN
UNIVERSITY OF MORATUWA

TITLE : B.Des. APTITUDE TEST
DATE : June 2016
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.

QUESTION 01. [10 Marks]

Make a composition consisting of a candle, a half-open matchbox and some matchsticks spilled out. Use only black pencil.
Make the drawing sufficiently large to fit the space provided.

MARKS
[Office use only]

Q 01 10%	
Q 02 15%	
Q 03 10%	
Q 04 15%	
Q 05 20%	
Q 06 10%	
Q 07 10%	
Q 08 10%	

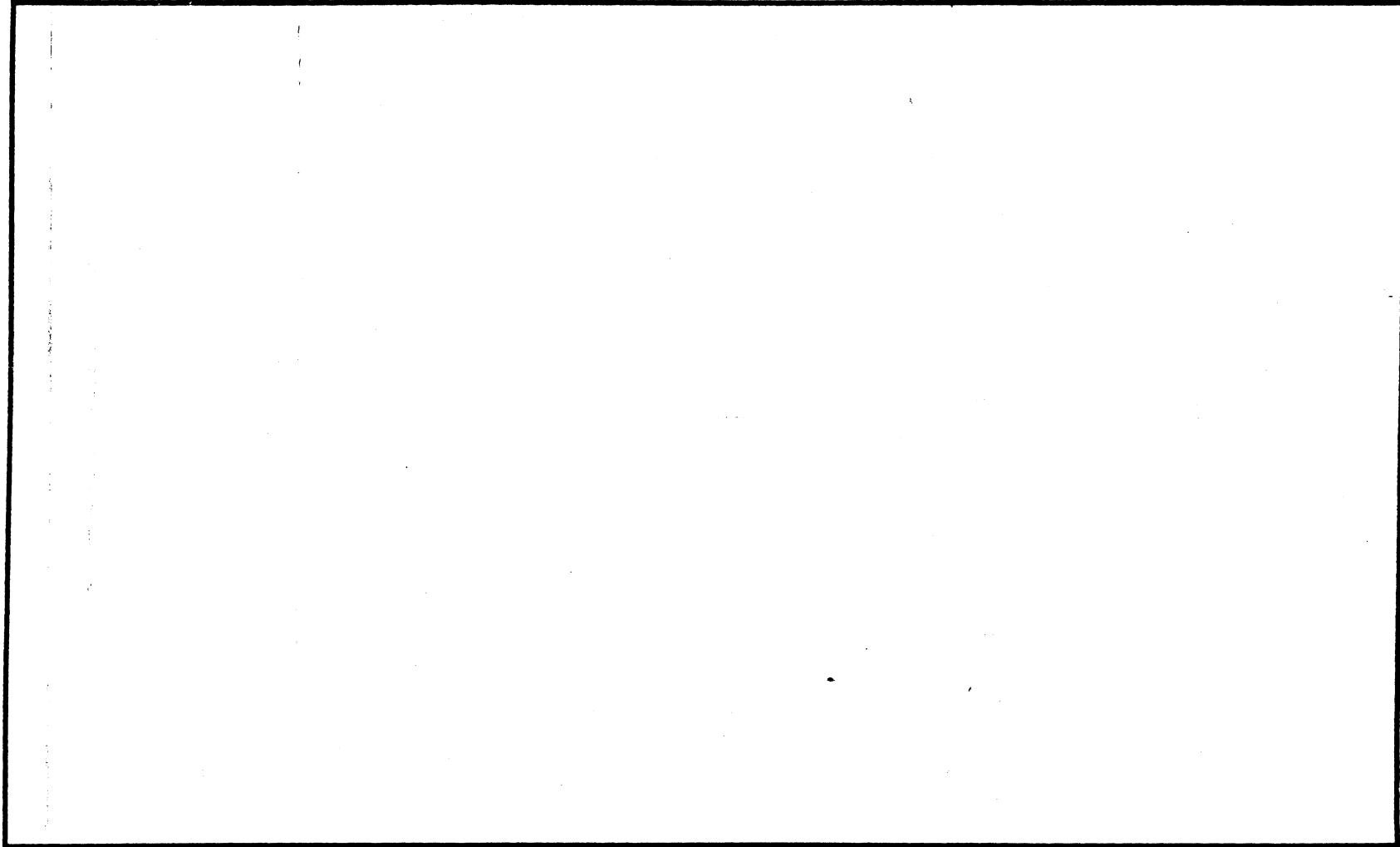
TOTAL MARKS

INDEX NUMBER

QUESTION 02. [15 Marks]

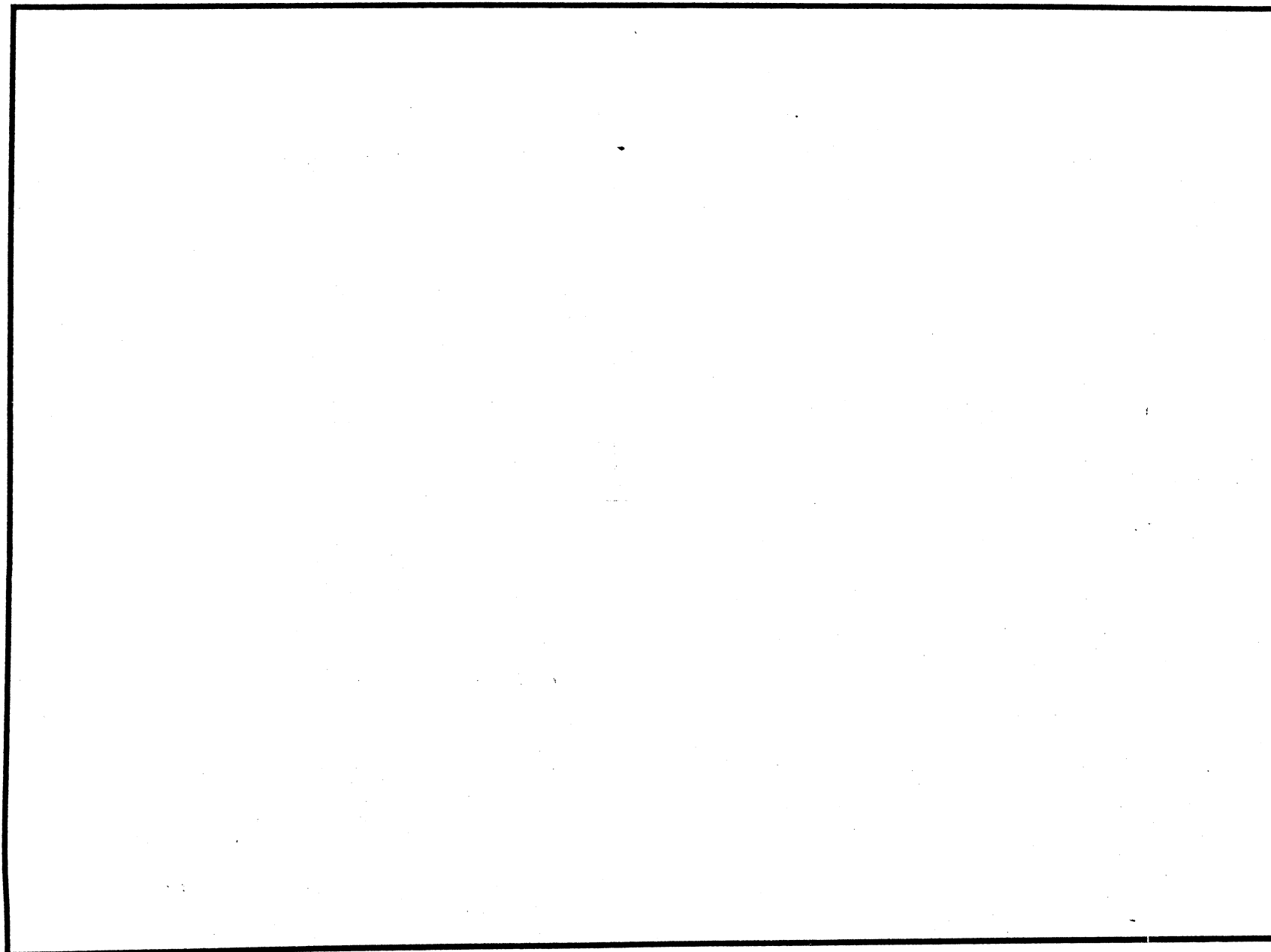
- i] Design a chair, which can be converted in to a bed. And show how in process.
- ii] Using 3 matchboxes, 2 bottles and 1 cup, design an installation, which shows Women Empowerment.
- iii] Draw the following from memory giving maximum details.
A 5000 Rupee Note, Dashboard of a car, speedometer & handlebar of a motorcycle

i]



INDEX NUMBER

ii]



INDEX NUMBER

iii]

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QUESTION 03. [10 Marks]

- i]. Complete the following analogy
Wax: Candle _____ : Paper
(a) Tree (b) Bamboo (c) Pulp (d) Wood
- ii]. If a cube of side 8 cm is melted to make cubes of 4 cm side, each,
how many cubes will you get?
(a) 4 (b) 8 (c) 12 (d) 16
- iii. 0.0007 = ?
(a) 7% (b) 0.7% (c) 0.07% (d) 0.007%
- iv. Brass is a mixture of
(a) Copper and Steel (b) Copper and Zinc
(c) Zinc and Tin (d) Steel with high lead content
- v. 1 inch is equal to
(a) 2.54 cm (b) 5 cm (c) 20 mm (d) 15.67 mm
- vi. How many A4 sheets can be cut from an A0 sheet of paper?
(a) 4 (b) 5 (c) 8 (d) 16
- vii. Blue is a
(a) Hot colour (b) Cold Colour (c) Primary Colour (d) Neutral Colour
- viii. Which of the following is a complimentary colour scheme
(a) Green - Yellow (b) Blue - Red (c) Yellow - Black (d) Red - Green
- ix. A focal point is
(a) A point in the centre of a drawing (b) A centre of interest in a drawing
(c) A point in the corner of a drawing (d) A point in a circle
- x. The sphinx is located in
(a) Paris (b) Syria (c) Giza (d) Lebanon

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

a **b** **c** **d**

INDEX NUMBER

QUESTION 04. [15 Marks]

Imagine four distinct uses of discarded Compact Disc (CD).

The CDs can be cut, bent, pasted or used in multiples to execute your ideas. Represent your ideas with five neat sketches along with brief notes (if necessary) in the space provided.

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QUESTION 05. [20 Marks]

Mobile phones have become quite popular as communication devices.

Mobile phones do have great potential to address the special needs of the elderly.

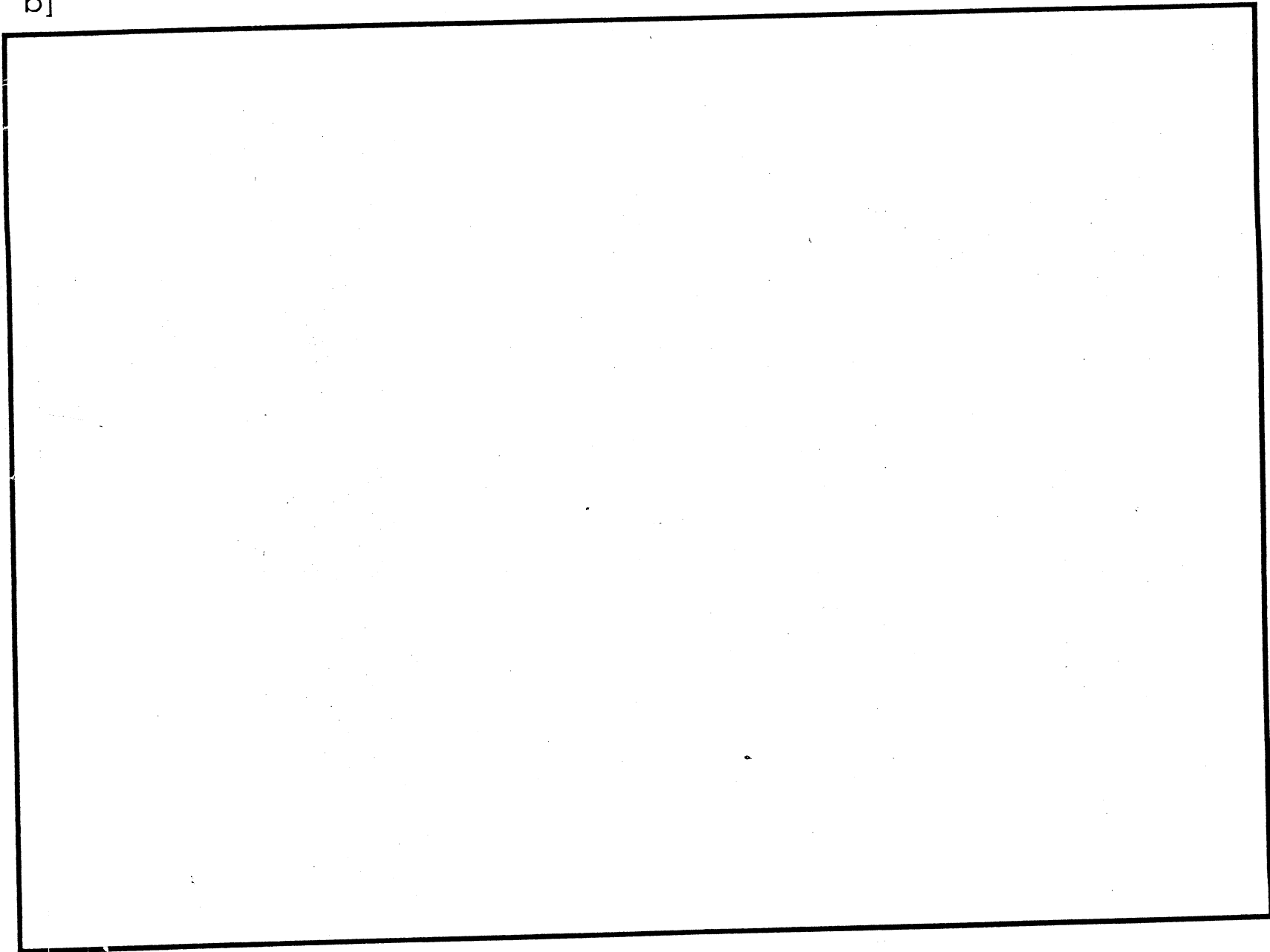
Your task is to **design a new mobile phone for elderly.**

- a] Identify five factors essential for designing mobile phone for the elderly. Write briefly in the space provided.
- b] Based on the factors identified in section [a], design a new mobile phone for elderly and draw a detailed sketch of your design in the space provided. Present the pencil sketch along with brief notes.

a]

INDEX NUMBER

b]

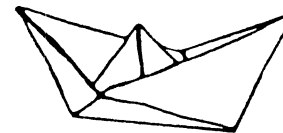


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QUESTION 06. [10 Marks]

Describe with visuals, a step-by-step procedure showing how a rectangular piece of paper can be folded to make the objects shown below. Illustrate your answer in SIX steps in the set of given boxes.



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QUESTION 07. [10 Marks]

1. Read the following passage carefully and write a five-point summary in the space provided.

The terms "disability" and "handicap" are not synonymous. A physically disabled person is not necessarily handicapped. A disability is a condition of impairment having an objective aspect that can usually be described by a physician and a handicap is the cumulative result of the obstacles which disability interposes between the individual and his maximum functional level.

A handicap has to be assessed according to the demands of the situation in which the individual finds himself. Even a severe disability need not in specific circumstances be a handicap. A blind person is not handicapped in work which does not require vision. A chair bound person is not handicapped if the work he is doing can be undertaken from a wheelchair and does not demand rapid locomotion. Conversely a handicap may be found where there is no medically identifiable disability. A person whose ambition it is to be a great athlete may regard himself as handicapped if his physical abilities are only average. A physical attribute is therefore a physical handicap only where it constitutes a barrier to the achievement of specific goals.

Apart from any confusion arising from a lack of appreciation of the distinction between the disability and handicap, it ought also to be recognised that there are hazards in talking about "disabled people" or "the disabled". A physically disabled person- unless he is blind, deaf, totally paralysed and mentally deficient - he is not unable to do anything. He is also a physically abled person - there are things which he can do as well as things he cannot do.

It is therefore more responsible to speak of "a person with a disability". The distinction may appear trivial but it is important. The hazard of using the term "disabled person" is that by emphasising the inferiority of a person in terms of physique, judgement of unrelated personality traits may be affected. The tendency to exaggerate the effects of a disability and to relate all aspects of behaviour to it can too easily lead to an evaluation of the individual as being generally inferior.

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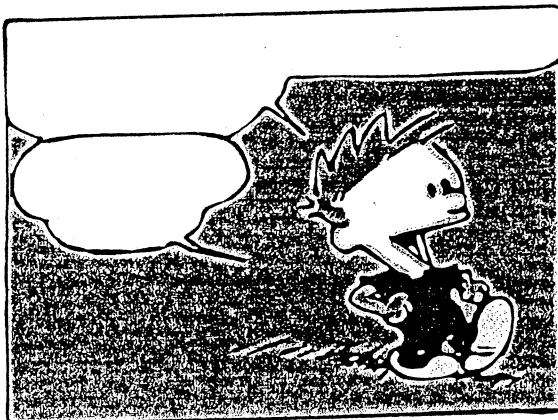
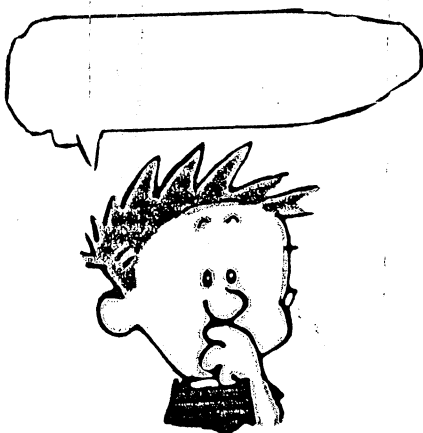
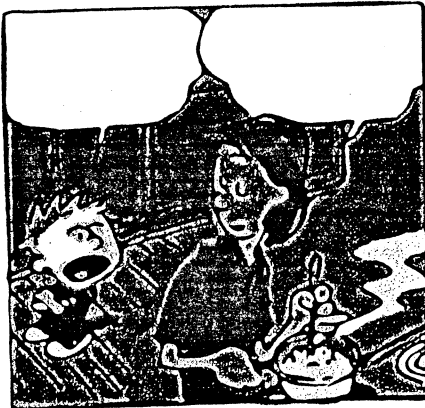
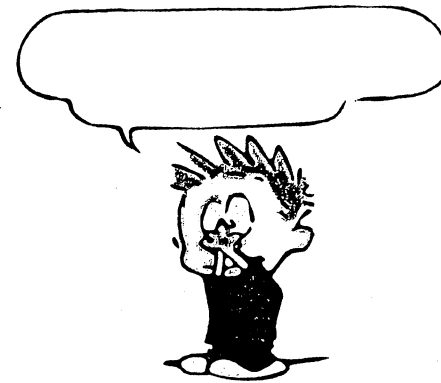
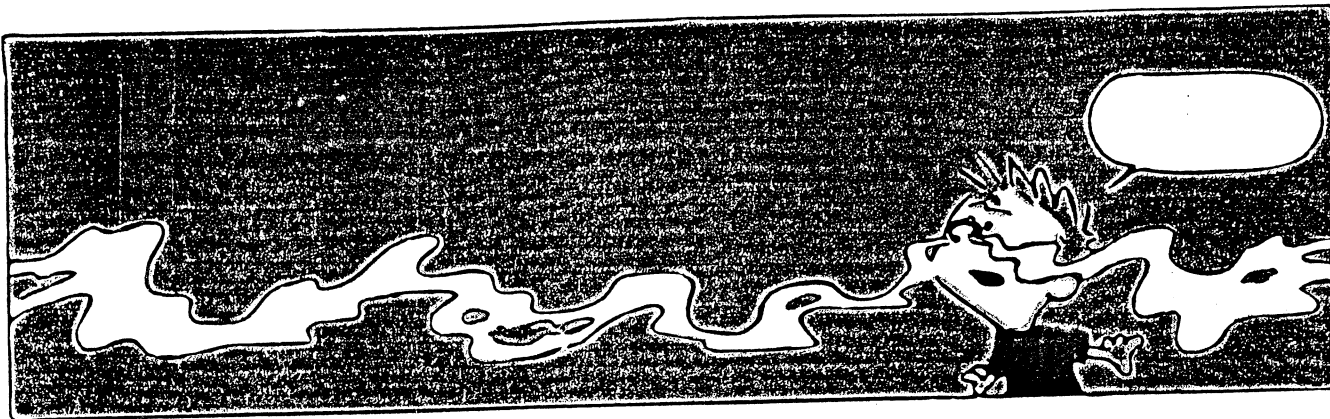
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QUESTION 08. [10 Marks]

1. Fill in the text bubbles in the comic strip given on the next page to make a story. Suggest a title for the story.

Title

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