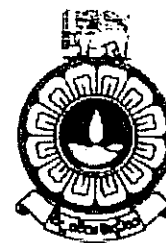


THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF INDUSTRIAL STUDIES
FINAL EXAMINATION - 2005/2006
TTI5145 FOUNDATION GARMENTS
DURATION – THREE HOURS



DATE: 25th March 2006

TIME: 0930 – 1230 HOURS

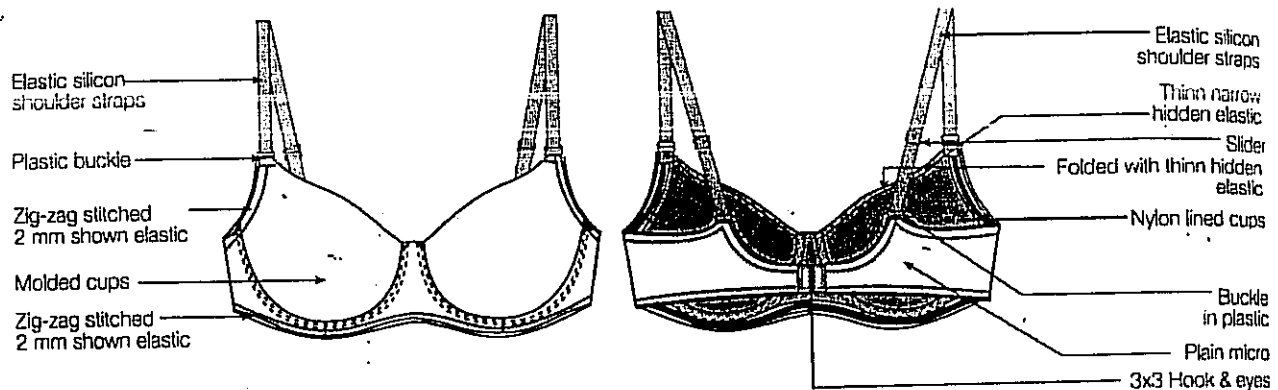
Total Number of questions = 09 Number of questions to be answered = 06
Answer Question 1, which is compulsory and additional five (5) questions.
Question 1 carries twenty-five (25) marks.

- (1) (a) What do you understand by "Foundation garments"?
- (b) Most foundation garments consist of fused interlinings. List five defects that can be generated during the fusing process.
- (c) Only fabrics with certain special property can be welded together to make a seam. Briefly explain what this special property is.
- (d) What measurements are required to construct patterns for a brassier?
- (e) Show in diagrams three different styles of full slips.
- (f) What are the main requirements for deciding a style for a sleep wear?
- (g) "People wear foundation garments for their psychological requirement, though it is detrimental to health". Illustrate this statement with an example.
- (h) Normally, best thermal protection is achieved by wearing three layers of material. State the purpose of each of these layers.
- (i) What are the measurements required to construct patterns for a stocking?

(2) "Foundation garment is only one category of clothing". Explain the functions of foundation garments.

(3) (a) Explain three different styles of brassieres with their special features.

(b) Give the operational breakdown and the machines required for sewing the brassiere shown in the following figure.



(4) (a) Though the girdle is similar to a corset, there are some differences between corsets and girdles. What are they?

(b) Explain different styles of girdles.

(c) Explain different styles of corsets.

(5) The yarns made from elastomeric fibres and micro fibres are of vital importance to the producer of intimate apparels.

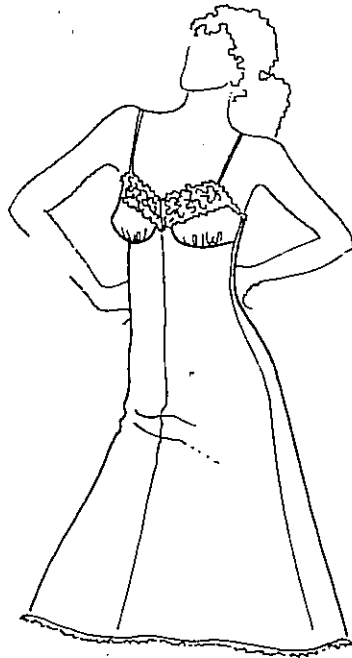
(a) Discuss about elastomeric yarns.

(b) Discuss special properties of Micro fibres.

(6) Garment manufacturers are looking for machinery with automation and easy handling.

Explain about five different types of machines having special functions that are used for foundation garments.

- (7) (a) What is the purpose of moulding?
(b) Discuss about the moulding technique.
(c) Explain the advantages of welding process compared to assembly of garment parts by sewing.
- (8) Discuss the quality points that should be considered in the evaluation of **fit** of foundation garments taking the brassiere and the panty as examples.
- (9) Following figure shows a style of women's under wear. What are the quality checks that should be carried out in the final inspection of this foundation garment.



stic silicon
der straps
in narrow
en elastic
— Slider
n hidden
elastic
ted cups
.
- Buckle
n plastic
in micro
& eyes