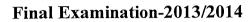
The Open University of Sri Lanka

Department of Textile and Apparel Technology

Bachelor of Industrial Studies (Apparel Production & Management)



TTI5145-Foundation Garments

i 115145-Foundation C	sai ments			
Duration- 3 Hours				10001
Date: 05 th August 2014			Time: 0930)-1230hrs
nstructions:				
Total number of questions: ()8			
Answer <u>six (06)</u> questions	only. Each question	carries 100 mark	S.	
Q1. (a) According to the de foundation garments	finition of foundation s are fulfill the require	garments, briefly ments given in the	explain how the feed definition.	ollowing
(i) Men's vests		•		
(ii) Bra/brassiere		20 Z		
(iii) Bikini		A.		
(iv) Girdle				(40 marks)
(b) Briefly explain wh	y do people wear cloth	hs?		(20 marks)
(c) "Some foundation explain this statem	garments fulfill the B ent with giving three			s". Briefly (40 marks)
Q2. (a) "Protection and con Briefly explain how above mentioned re	following foundation	ogical requiremen garments can be	its of foundation g manufactured to f	arments." ulfill the
You may consider th	ne material selection at tal conditions for the			
(i) Undergarments	(ii) Sleepwear	(iii) Swim wea	r	(30 marks)
(b) What do you unders You may use some of	stand by "Psychologic examples to answer fo		of foundation garn	nents? (30 marks)
(c) What types of servi following foundation		y functions that y	ou would expect f	rom the
(i) Men's vests	(ii) Swim wear	(iii) Corset	(iv) Stockings	(40 marks
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- Q3. (a) Differentiate "Full slip" and "Half slip" petticoats with giving two (02) examples for each type and explain their features using suitable sketches. (30 marks)
 - (b) Name the important body measurements to construct men's undergarments and illustrate them on a male body sketch. (30 marks)
 - (c) Briefly explain any four (04) style variations of brassieres using suitable examples and give the wearing purpose of each of them. (40 marks)
- Q4. (a) Write a short note on "Corset" and give its wearing purposes.

(30 marks)

- (b) Thermal under wear is normally used for cold climates. Write a short note about thermal underwear with specifying following factors.
 - (i) Best layering system of thermal under wear with three layers
 - (ii) Usual garment features
 - (iii) Garment properties and characteristics expected
 - (iv) Most suitable materials to make fabrics

(40 marks)

- (c) Give any six (06) body measurements that you would require to construct long sleeve ladies night dress and illustrate how do you take them from a body. You may draw a sketch for this. (30 marks)
- Q5. (a) Elastomeric yarns are available in four types. Briefly explain these four (04) types and indicate their applications in foundation garments. (40 marks)
 - (b) Briefly explain the function of cup seaming machine used in foundation garment manufacturing. (40 marks)
 - (c) Draw a sketch of a half slip petticoat and give its operational break down with the required machinaries. (20 marks)
- Q6. (a) What is moulding technique?

Why is it important in manufacturing foundation garments?

(30 marks)

- (b) Write a short note on "Garment welding" using following headings.
 - (i) What is it?
- (ii) Welding technique (iii) Suitable materials

 - (iv) Advantages and disadvantages compared to conventional sewing method.

(40 marks)

- (c) Briefly explain the "High frequency welding technique" used in foundation garment industry. (30 marks)
- Q7. (a) Today, 4- point system is usually used as a fabric defect evaluation system in Sri Lankan garment industry. Briefly explain the method of evaluating a fabric roll by 4-point system. (30 marks)
 - (b) Stretchable fabrics are used heavily in Sri Lankan garment industry today. Briefly explain what do you understand by "Power stretch" and "Comfort stretch"? (30 marks)
 - (c) Briefly explain the "Bowing" and "Skewing" effects in woven and knitted fabrics used in garment industry. (40 marks)
- **Q8.** (a) Briefly explain any three (03) defects that can be happened during cutting process and give possible causes for each of the defect. (30 marks)
 - (b) Briefly explain any three (03) different categories of defects occurred during sewing process and give possible causes for each of them. (30 marks)
 - (c) Briefly explain any five (05) quality checking points of the given brassiere to do the final inspection. (40 marks)