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2ND SEM. 2014/15



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UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER

**PROGRAMME : BACHELOR OF SCIENCE IN
TEXTILE AND APPAREL DESIGN
MANAGEMENT YEAR IV**

COURSE CODE : TADM 309

TITLE OF PAPER : GARMENT TECHNOLOGY

TIME ALLOWED : TWO (2) HOURS

**INSTRUCTIONS : ANSWER QUESTION ONE (1)
AND ANY OTHER (2) QUESTIONS**

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1 [COMPULSORY]

- (a) Discuss how sewing thread properties affect seam performance.
(5 x 4 = 20 Marks)
- (b) Why are time and motion studies vital in apparel manufacture?
(2 x 5 = 10 Marks)
- (c) Differentiate between basic time, total basic time and standard minute value.
(5 Marks)
- (d) Formulate a specification sheet for a design you would like to introduce in the Swazi market, without the costing portion.
(5 Marks)

[TOTAL MARKS = 40]

QUESTION 2

- (a) If Dream Dress Company were to receive an order for 50, 000 units of sportswear from St. Marks High School, what are the requirements of production planning in fabric spreading that would ensure that the correct quantities are cut?
(10 Marks)
- (b) Where would you use a band knife for cutting? Include advantages and limitations of using this equipment.
(5 Marks)
- (c) Describe how the **three (3)** finishing equipment in the Department are used.
(9 Marks)
- (e) Differentiate between sewability and tailorability.
(6 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- (a) In apparel manufacture, seam appearance and performance are vital in a quality garment. Seam puckering is one of the major sewing problems that quality controllers should avoid at all cost. Discuss **five (5)** factors that can cause seam pucker.
(20 Marks)

- (b) What are the advantages of the small apparel firm that we visited over a large firm?

(10 Marks)

[TOTAL MARKS = 30]

QUESTION 4

- (a) The use of appropriate machinery to enhance productivity in apparel firms is very important. State the uses of **five (5)** industrial machines that contribute towards the production of high volumes of merchandise in the apparel manufacturing sector.

(10 Marks)

- (b) Spreading of fabric is dependent on fabric type, style being made and the design on the fabric. Explain the **four (4)** types of spreading fabric in the cutting room in reference to the above points; use illustrations to assist you in your explanation.

(4X5 = 20 Marks)

[TOTAL MARKS = 30]