



1ST SEM. 2019/20

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UNIVERSITY OF ESWATINI
FINAL EXAMINATION PAPER

**PROGRAMME : BACHELOR OF SCIENCE IN
TEXTILES, APPAREL DESIGN & MANAGEMENT
YEAR III**

COURSE CODE : TAD307

TITLE OF PAPER : PATTERN TECHNOLOGY

TIME ALLOWED : TWO (2) HOURS

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

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

(a) Describe **four (4)** software packages that are used in the apparel industry for the following:

- i. pattern grading,
- ii. marker making,
- iii. plotter and cutters, and
- iv. garment assembly sewing.

(20 Marks)

(b) Why is connectivity vital across the designing, production and retailing sectors?

(5 Marks)

(c) What are the options of carrying out the following functions?

- i. Redo
- ii. Undo
- iii. Delete from work area
- iv. Select all
- v. Separate pieces

(10 arks)

(d) Briefly explain **five (5)** ways of making patterns.

(5 Marks)

[TOTAL MARKS = 40]**QUESTION 2**

(a) i. What does a broken line on CB/CF of a pattern piece mean and how can you get rid of it?

ii. What does a solid line on CB/CF of a pattern piece mean and how can you convert it into a broken line?

(12 Marks)

(b) Differentiate between the Pattern design and Textile print design systems.

(8 Marks)

(c) What is the function of the simulated garment assembly software package and how does it benefit the apparel industry. Give an example of such a software.

(5 Marks)

(d) How do you access patterns on the PDS software?

(5 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- (a) Create a storage area with your identity number, if not created before.
(2 Marks)
- (b) Select a back blouse pattern from Data90 and create a back yoke that is 10 cm from the back nap.
(10 Marks)
- (c) i. Separate the yoke from the lower part of the pattern piece, unfold the back bottom piece.
ii. Create a box pleat at the middle of the yoke line on the bottom piece.
(10 arks)
- (d) Add seam allowances of 1.5 cm along the yoke line of both pieces, and notches where appropriate. Save.
(8 Marks)

[TOTAL MARKS = 30]**QUESTION 4**

- (a) Create a storage area with your identity number, if not created before.
(2 Marks)
- (b) Select a back trouser pattern block from Data 90 and transfer the dart allowance to flaring along the hem line.
(15 Marks)
- (c) Add a seam allowance of 1.5 cm and save the new piece.
(3 + 2 = 5 Marks)
- (d) i. Select a front bodice block from Data 90 and
ii. Lower the armhole by 5.0 cm and shorten the shoulder line by 2.0 cm from the corner or shoulder line and armhole.
iii. Save the modified bodice.
(8 Marks)

[TOTAL MARKS = 30]