



2ND SEM. 2019/20

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**UNIVERSITY OF ESWATINI
FINAL EXAMINATION PAPER**

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

COURSE CODE : TAD 406 / TADM410

TITLE OF PAPER : PRODUCE DEVELOPMENT AND EXHIBITION

TIME ALLOWED : TWO (2) HOURS

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

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THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

- a) Discuss with the aid of examples the importance of innovation and creativity in the product development process. (3*5 =15 Marks)
- b) Discuss the opportunities for consumers to recycle textiles. Give specific examples to support your answer. (8 Marks)
- c) Discuss why new products may fail in the market. (3*4= 12Marks)
- d) Give **five (5)** key characteristics of plain woven fabric structures. (5 Marks)

[TOTAL MARKS= 40]

QUESTION 2

- a) Ease of movement has become a highly desirable fabric property, not only in high performance wear, but also in everyday clothes. Discuss the different ways in which stretch can be introduced into woven fabrics. (10 Marks)
- b) Discuss how the following processes can negatively affect the environment. (2*5=10 Marks)
 - i) Growing of non-organic natural fibres
 - ii) Care of the garment
- c) Briefly explain why the textile and apparel new product development process is significantly different from the generic new product development process. (6 Marks)
- d) Explain why a twill fabric is ideal for the production of work suits. (4 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- a) Name and describe **three (3)** basic joining methods used in knitwear. (12 Marks)
- b) Discuss how as a product development manager you can meet the needs of your customers better than your competitors. (10 Marks)
- c) Discuss the important design parameters to consider when designing base layer garments for active wear (8 Marks)

[TOTAL MARKS =30]

QUESTION 4

- a) Trapping 'dead air' in the textile fibres and structures is key to effective thermal insulation'. Discuss **five (5)** ways in which this can be achieved. (10 Marks)
- b) What are the advantages and disadvantages of traditional sewing methods in the production of garments? (4 +4= 8 Marks)
- c) Products that have been joined together through bonding must be tested as part of the design development process.
 - i) Describe **three (3)** tests that can be done on a bonded product (9 Marks)
 - ii) Give **three (3)** advantages of bonding processes (3 Marks)

[TOTAL MARKS = 30]