



**1<sup>st</sup> SEM. 2015/16**

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**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

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

**COURSE CODE : TADM 404**

**TITLE OF PAPER : CONTEMPORARY TEXTILES**

**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 the impact of the textile industry on the environment. (10 Marks)
- b) What are the advantages and disadvantages of the Optim range of innovations to the:
- i) Consumer
  - ii) apparel industry
  - iii) environment
- (3 X 4 = 12 Marks)
- c) Describe and differentiate between medical and biomedical textiles. Give **two (2)** examples for each. (8 Marks)
- d) Make a recommendation to the Swaziland golfer's association on why they should use the *Cool Max* golf gloves. (10 Marks)

[TOTAL MARKS = 40]

**QUESTION 2**

- a) Discuss **four (4)** areas in which "smart/intelligent" garments are beneficial to the consumer. (20 Marks)
- b) Describe how the textile industry in Swaziland would ensure safety of their workers and suggest regulations that they must adhere to. (10 Marks)

[TOTAL MARKS = 30]

**QUESTION 3**

- a) Using illustrations, describe the structures of high-tech fabrics suitable for the following: (20 Marks)
- i) Cold weather
  - ii) Wind storms
  - iii) Sporting apparel e.g. (*Sportwool & Play dry*)
  - iv) Waterproof
- b) What is the impact of the nanotechnology to the apparel industry? (10 Marks)

[TOTAL MARKS = 30]