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**

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

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QUESTION 1: COMPULSORY

a) Discuss **five key performance areas** that are considered in the production of performance fabrics.   **5 x 4 = (20)**

b) Explain in detail **three environmental laws** that were passed to protect the earth from pollution.   **4 x 4 = (16)**

c) Name **four products** with **nanotechnology** that are in the market already.

(4)

[TOTAL MARKS 40]

QUESTION 2

a) Explain how the following yarns are produced to achieve their **distinctive appearance.**
i) Boucle yarns   iv) Snarl
ii) Spiral yarns   v) Slub
iii) Chenille   **5 x 2 = (10)**

b) Explain in detail **four laws** and **regulations** that deal with truths – in – fabrics.
4 x 4 = (16)

c) Briefly explain the difference between **compound fabric** and ordinary fabric e.g. denim.   **(4)**

[TOTAL MARKS 30]

QUESTION 3

a) Describe **five (5)** smart garments **developed for specific needs**.
5 x 3 = (15)

b) Explain the **three (3) main categories** of compound yarns.
3 x 3 = (9)

c) Explain **three ways** that **technology** is used in the image industry.
3 x 2 = (6)

[TOTAL MARKS 30]

TADM 404 (M)

QUESTION 4

a) Describe the following technologies in relation **to high performance** fabrics:
   i) Micro technology   iv) Reflect optic technology
   ii) Interactive technology   v) Technology transfer
   iii) Stretch technology   **5 x 3 = (15)**

b) Explain in detail **five functional clothing** developed to help the textile
   consumer.   **5 x 3 = (15)**
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