



1st SEM. 2013/14

PAGE 1 OF 3

**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**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR**

- a) Discuss **five (5)** performance characteristics of acrylic filter bags for power generation plants. (10 Marks)
- b) Using illustrations discuss **five (5)** points on how the structure of a simple weft knit differs from the structure of a simple warp knit. (10 Marks)
- c) Discuss **five (5)** compound fibres discussed in class. (10 Marks)

[TOTAL MARKS = 30]

QUESTION 4

- a) Briefly explain the performance of knit fabrics under the following headings:
- i) Elongation /Extensibility
 - ii) Insulation and air permeability
 - iii) Pilling and snagging
 - iv) Strength and abrasion resistance
 - v) Relaxation and shrinkage
- (10 Marks)
- b) List and briefly describe **five (5)** performance areas of technical (high performance) fibres/fabrics.
- (10 Marks)
- c) List any **five (5)** “Green fibres” and discuss **two (2)** points on how each is eco-friendly.

(10 Marks)

[TOTAL MARKS = 30]