

**2<sup>nd</sup> SEM. 2010/2011**



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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE : TADM 205**

**TITLE OF PAPER : TEXTILE SCIENCE AND LAUNDRY**

**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) Explain the following terms:

- i.) Plant fibres
- ii.) Composite fabrics
- iii.) Micro component fabrics
- iv.) Soaps and detergents
- v.) Non woven fabrics

(5 x 4 =20 Marks)

b) How do mildew and moth affect textiles and clothes? What steps would you take to protect your garments from attack of moth and mildew?

(5x4=20 Marks)

[Total=40 Marks]

**QUESTION 2**

a) Explain the production of silk filament.

(12 Marks)

b) Give the physical and chemical structure of a silk fibre.

(6 Marks)

c) Describe any four properties of silk.

(12 Marks)

[Total=30 Mark]

**QUESTION 3**

a) Explain any two processes of retting flax

(5x2= 10 Marks)

b) Describe similarities and differences of the spinning process of standard or regular viscous rayon and high wet viscous rayon.

(10x2=20 Marks)

[Total=30 Mark]

**QUESTION 4**

Yarns are manufactured using fibres so that they are suitable for knitting, weaving, or otherwise intertwining to form a textile fabric. Describe the following types of yarns:

- i.) Simple yarns
- ii.) Textured filament yarns
- iii.) Novelty yarns.

(10 x 3 =30 Marks)

[Total=30 Mark]