UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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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QUESTION 1
(COMPULSORY)

a) Define or explain the following terms:
    i.)   Textile fibres
    ii.)   Cross sectional shape of fibres
    iii.)   Tensile strength
    iv.)   Elasticity and Elongation
    v.)   Lustre

(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?

(10x2=20 Marks)
[Total=40 Marks]

QUESTION 2

Explain the production and processing of cotton fibres

(15x2= 30 Marks)

QUESTION 3

a) Spinning of man-made textile fibres or filaments can be done by various processes. Explain all the spinning processes, their advantages and disadvantages.

(18 Marks)

b) Explain the steps you will carry out to launder cotton fabrics.

(12 Marks)
[18+12=30]

QUESTION 4

a) Fabrics can be constructed by various elements of textiles. Explain the processes and examples of fabrics constructed using the following:
    i.)   Solution
    ii.)   Fibres
    iii.)   Yarns
    iv.)   Composite fabrics
    v.)   Multi-component fabrics

(6x5=30 Marks)