



UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME : **BACHELOR OF SCIENCE IN TEXTILE APPAREL
DESIGN and 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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THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

- a) Name and describe the **two (2)** types of rib woven fabrics (6 Marks)
- b) Define the following terms (3x2= 6 Marks)
- i. Course
 - ii. Wales
 - iii. Loop
- c) Explain **five (5)** different performance characteristics of knitted fabrics (10 Marks)
- d) Describe how you can identify the following fibres using solubility test (9 Marks)
- i. Nylon
 - ii. Silk
 - iii. Wool
- e) Write brief notes on the following spun yarns (9 Marks)
- i. Ring spun yarns
 - ii. Open end spun yarns
 - iii. Air jet spun yarns

[40 MARKS]

QUESTION 2

- a) In textile care labelling, under washing instructions give **four (4)** specific procedures that need to be included in the care label (4x3= 12 Marks)
- b) Explain the **three (3)** basic woven structures (3x4= 12 Marks)
- c) Describe the process of discharge printing (6 Marks)

[30 MARKS]

QUESTION 3

- a) Classify fibres according to their type, giving an example for each class (16 Marks)
- b) Briefly describe the basic manufacturing principle for synthetic fibres (8 Marks)
- c) State four general properties of synthetic fibres (4 Marks)
- d) Define Raschel knits (2 Marks)

[30 MARKS]

QUESTION 4

- a) Define Fancy yarns (2 Marks)
- b) Describe any **four (4)** types of fancy yarns (4x2=8 Marks)

- c) List and discuss **five (5)** properties of cotton that make it suitable for clothing.
(10 Marks)
 - d) Name **five (5)** types of non-woven fabrics
(5 Marks)
 - e) Give a detailed description of simple yarns
(5 Marks)
- [30 MARKS]**