

1ST SEM. 2008/2009



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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME : BACHELOR OF SCIENCE IN TEXTILE,
APPAREL AND DESIGN MANAGEMENT
YEAR IV**

COURSE CODE : TADM 405

TITLE OF PAPER : COLOURATION TECHNOLOGY

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**

QUESTION 1

a) What are the various methods used for preparing screens for Flat Bed Screen Printing?

(8 Marks)

b) Explain the process which you used for printing 'T-Shirt'.

- i. Method of preparing screen
- ii. Chemicals and printing paste used for printing
- iii. Steps of printing
- iv. After treatment

(32 Marks)

[8+32=40 Marks]

QUESTION 2

How will you prepare a cotton fabric for dyeing or printing? Describe various treatments in brief.

(Marks 30)

QUESTION 3

Yarns can be dyed in various forms using various dyeing machines. Explain the mechanism of yarn dyeing machines (one for each form), their advantages and disadvantages for dyeing yarns in the form of hank, cheese and warp

(30 Marks)

QUESTION 4

a) Explain the difference between Styles of Printing and Methods of Printing?

(3 Marks)

b) Describe

- i. Direct style of printing.
- ii. Discharge style of printing
- iii. Resist style of printing

(24 Marks)

c) Compare the Discharge style and Resist style of Printing in terms of quality of printing..

(3 Marks)

[3+24+3=30 Marks]