



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN

FASHION DESIGN AND MARKETING

HFD 400: TEXTILE DESIGN APPLICATION

DATE: 25/7/2017

TIME: 11:00 – 1:00 PM

INSTRUCTIONS

This paper consists of FIVE questions.

Answer Question 1 and any other TWO questions

Question 1 carries 20 marks

Question 2-5 carry 15 marks each

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Define the term 'Mordant' and briefly explain the THREE methods of mordanting. (4 marks)
- b) Highlight any FOUR advantages of natural Dyes (4 marks)
- c) Describe the process of extracting natural dyes from onions and dyeing a cotton cloth. (5 marks)
- d) There are simple tests one can perform to identify natural dye yielding plants. Briefly explain the FIVE tests. (5 marks)
- e) Define the term decorative dyeing. (2 marks)

QUESTION TWO (15 MARKS)

You are the finishing section manager in a textile mill. Describe in detail to your subordinates FIVE pretreatments that are usually done to cotton grey fabrics prior to dyeing or printing. (15 marks)

QUESTION THREE (15 MARKS)

You have been approached by a friend who intends to start a business on textile dyeing and printing and requires explanations on the classes of textile dyes. Explain to him in detail any FIVE classes of dyes. (15 marks)

QUESTION FOUR (15 MARKS)

There are many ways in which you can create designs using tie and dye technique. Describe any FIVE techniques. (15 marks)

QUESTION FIVE (15 MARKS)

Color is a very powerful tool that can influence the way we feel. List any FIVE colors and describe their psychological effects on viewers. (15 marks)