



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

SECOND YEAR SECOND TERM EXAMINATION FOR

DIPLOMA IN FASHION DESIGN AND GARMENT MAKING

2803/204/TS: TEXTILE SCIENCE

DATE: 8/6/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS:

Answer all questions

QUESTION ONE

With the aid of illustrations describe the three methods of spinning in production of man-made yarns (20 marks)

QUESTION TWO

- a) With the aid of a well labelled diagram classify man-made fibres (10 marks)
- b) Describe five uses of manmade yarns (10 marks)

QUESTION THREE

- a) Explain the production process of viscose rayon (12 marks)
- b) Describe three factors to observe when conducting a burning fibre test (6 marks)

QUESTION FOUR

- a) Define the following terms (4 marks)
 - i. Dyeing
 - ii. Printing
- b) Explain three reasons for blending fabrics (6 marks)
- c) Explain five methods of testing for colour fastness (10 marks)

QUESTION FIVE

Describe five methods of fabric formation (20 marks)

QUESTION SIX

Discuss the stages of dying (20 marks)