



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2016/2017**

**FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE  
DEGREE OF BACHELOR OF ARTS IN APPAREL DESIGN  
AND INTERIOR DESIGN WITH INFORMATION  
TECHNOLOGY**

**MAIN CAMPUS**

**ADF 101: INTRODUCTION TO TEXTILES**

Date: 25<sup>th</sup> November, 2016

Time: 8.30 - 11.30 am

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**INSTRUCTIONS:**

- This paper contains TWO sections A and B.
- Answer ALL questions from section A in the answer booklet provided.
- Answer ANY THREE questions from section B.
- Begin each question in section B on a new page. All questions in section B carry 10 marks.

## SECTION A (40 MARKS)

Answer ALL questions in this section in the answer booklet provided

1. Define the following terms as used in introduction to textiles
  - a) Filament
  - b) Textile
  - c) Texturing
  - d) Yarn
  - e) Spinneret (5 marks)
2. a) Differentiate between the following
  - i) Fibre and fabric
  - ii) Woolen and Worsted yarns
  - iii) Cellulosic and Synthetic fibres
  - iv) Monofilament and multifilament yarns
  - v) Yarn blends and yarn mixtures (10 marks)
  - b) Suggest five (5) reasons why you need to study textiles (5 marks)
  - c) Identify six (6) minor vegetable fibres (3 marks)
3. a) Briefly describe the process of retting (3 marks)
  - b) Explain three (3) reasons why care must be taken during the retting process (3 marks)
4. a) i) Define the term 'finish' (2 marks)

ii) State four (4) ways in which finishes can be classified (4 marks)

b) Identify five (5) characteristics of woven fabrics (5 marks)

**SECTION B (30 MARKS)**

Answer **ANY THREE** questions from this section in the answer booklet provided. Begin each question on a new page. All questions carry 10 marks each.

5. Expound on the advantages and disadvantages of viscose rayon in use (10 marks)
6. "In most methods used to make yarn, twist is added to help hold the fabric together." Discuss this statement in relation to the amount of twist added to yarns (10 marks)
7. Outline the production and use of the sewing thread (10 marks)
8. Describe the following processes
  - a) Crocheting (5 marks)
  - b) Knotting (5 marks)
9. Explain in detail the application and use of the following finishes
  - a) Mercerization (5 marks)
  - b) Flame resistant finish (5 marks)