



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR SECOND SEMESTER EXAMINATION FOR
THE DEGREE OF BACHELOR OF ARTS IN APPAREL
DESIGN WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

ADI 446: PATTERN DRAFTING AND GRADING

Date: 26th July, 2017

Time: 12.00 - 3.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO



SECTION A: (30 Marks)

Answer **ALL** Questions in this section

Q1. Define the following terms as used in pattern drafting and grading :

- a) Lay planning
- b) CAD
- c) Marker making
- d) Vectors
- e) Size

(5 marks)

Q2. Demonstrate the significance of the following tools in pattern grading:

- i) Grading squares **(2 Marks)**
- ii) Digitizer **(2 Marks)**
- iii) Plotter **(2 Marks)**
- iv) CPU **(2 Marks)**
- v) Marker **(2 Marks)**

Q3. a) Describe how CAD is used in garment Manufacture. **(10 Marks)**

- b) Outline **Three (3)** advantages and **Three (3)** disadvantages of using CAD systems in garment manufacture. **(5 Marks)**
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SECTION B: (20 MARKS)

Answer **ANY TWO** Questions from section B.

Q3. a) Sketch a garment of your own design. **(5 Marks)**

b) Develop using $\frac{1}{4}$ scale slopers from basic block, working pattern and final pattern of the sleeve of your garment above. **(5 Marks)**

Q5. a) State **Five (5)** reasons for grading patterns. **(5 Marks)**

b) Give rules for grading patterns. **(5 Marks)**

Q6. With the help of Quarter ($\frac{1}{4}$) scale slopers size 12 grade a back bodice one up and one down.

(10 marks)