MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

CERTIFICATE IN FASHION DESIGN AND MARKETING (TVET)

1801/104/TK: TEXTILE KNOWLEDGE

DATE: 30/3/2020   **TIME: 8.30-11.30 AM**

INSTRUCTIONS:

Answer all the questions

1. a) Define the following terms as used in Textile Material Knowledge.

    i. Fibres   (2 marks)

    ii. Textiles   (2 marks)

    iii. Filament yarns   (2 marks)

    iv. Staple Yarns   (2 marks)

    v. Fabric   (2 marks)

    b) Explain the four (4) methods used in identifying Textile Fibres.   (8 marks)

    c) By the use of a chart describe the composition and the origin of man-made fibres

                                                                         (7 marks)

2. a) Draw the fibre classification chart to show the following

    i.   Natural fibres

    ii. Man-Made fibres   (15 marks)

    b) Explain the burning test to show how the following fibres behave when approaching

        the flame, when in the flame, when in the flame, and the residue (Ashes)

    i.   Cotton fibres   (2 marks)

    ii. Wool   (2 marks)

    iii. Polyester   (2 marks)

| | | iv.   Glass | (2 marks) |
| | | v.   Acetate | (2 marks) |

3.   a)   Explain the followed during the production of linen fibre   (16 marks)

     b)   State the any 9 properties of linen   (9 marks)

4.   a)   Highlight any six (6) ways in which Textile Fabrics are constructed   (6 marks)

     b)   Explain the general properties of textile fibres   (9 marks)

     c)   Using diagrams show the production of cotton fibres   (10 marks)