



2nd SEM. 2018/19

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UNIVERSITY OF ESWATINI
RESIT EXAMINATION PAPER

PROGRAMME : BACHELOR OF SCIENCE IN TEXTILE
APPAREL DESIGN AND MANAGEMENT YEAR
II

COURSE CODE : TAD206

TITLE OF PAPER : FABRIC CONSTRUCTION

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS : ANSWER QUESTION ONE (1)
AND ANY OTHER TWO (2) QUESTIONS

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THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

- a) Describe the basic process of combing. (10 Marks)
- b) Give **five (5)** factors that affect size take up during sizing (5 Marks)
- c) Name **five (5)** basic warp knitted fabrics. (5 Marks)
- d) Explain why sizing of yarn is a necessary step before weaving. (8 Marks)
- e) Explain the basic operating principle of a draw frame. (12 Marks)

[TOTAL MARKS = 40]

QUESTION 2

- a) Describe with the aid of diagrams the **three (3)** commonly used knitting needles. (10 Marks)
- b) With the aid of a properly labelled diagram, explain the cotton carding process in spinning. (20 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- a) Discuss with examples **four (4)** objectives of blending throughout the yarn production process. (8 Marks)
- b) Give **four (4)** factors that can affect the drafting of sliver. (4 Marks)
- c) What are the objectives of combing in ring spinning? (5 Marks)
- d) Explain how bobbin winding is achieved in ring spinning. (8 Marks)
- e) What is the effect of the underlap on a warp knitted structure? (5 Marks)

[TOTAL MARKS = 30]

QUESTION 4

- a) Differentiate between ring spinning and open end spinning. (10 Marks)
- b) Briefly describe the following types of shuttleless weaving methods. (10 Marks)
 - i) Rapier weaving
 - ii) Projectile weaving
- c) List and briefly describe any **five (5)** properties of woven fabrics (2x5=10 Marks)

[TOTAL MARKS = 30]