



**2<sup>nd</sup> SEM. 2008/2009**

**PAGE 1 OF 2**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE : TADM 206**

**TITLE OF PAPER : FABRIC CONSTRUCTION DESIGN**

**TIME ALLOWED : TWO (2) HOURS**

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

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN  
GRANTED BY THE CHIEF INVIGILATOR**

**QUESTION 1 [COMPULSORY]**

- a) Compare the performance characteristics of open end spun yarns over ring spun yarns. **10 X 2 = (20)**
- b) Discuss the role of key players in the textile supply chain. **10 X 2 = (20)**

**[Total marks = 40]**

**QUESTION 2**

- a) Specify the effect of five (5) fibre properties on the quality of a fabric. **5 X 3 = (15)**
- b) Briefly explain the effect of four (4) yarn properties on fabric qualities. **3 X 4 = (12)**
- c) Describe three (3) ways in which a selvage can be made. **(3)**

**[Total marks = 30]**

**QUESTION 3**

- a) Given a fabric piece, how would you identify warp yarns from weft yarns? **10 X 2 = (20)**
- b) Explain four (4) basic knit stitches that are used in the knitting technique, and a unique property each stitch renders to a fabric. **4 X 2.5 = (10)**

**[Total marks = 30]**

**QUESTION 4**

- a) Briefly explain how the types of sizing used in the warping process can be identified and removed. **10 X 2 = (20)**
- b) Describe the importance of testing for the presence of starch in a fabric after production, and what simple test can be done to identify it. **5 X 2 = (10)**

**[Total marks = 30]**