

2<sup>ND</sup> SEM. 2018/19

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**UNIVERSITY OF ESWATINI**  
**FINAL EXAMINATION PAPER**

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

**COURSE CODE :** TAD408

**TITLE OF PAPER :** ECO-DESIGNING IN DRAPE DESIGNS

**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) Recycling is one way of delaying the disposal of textile products. Explain how you incorporate recycling in **one (1)** of your eco drape designs? **(15 Marks)**
- b) Describe the environmental impact of the clothing industry at the different phases of a product lifecycle. **(15 Marks)**
- c) Discuss the impact of industrialisation on the eco-system. Use the textile industry as a basis for your discussion. **(10 Marks)**

**[TOTAL MARKS = 40]**

**QUESTION 2**

- a) Name and discuss **three (3)** key issues entailed in ethical and sustainable apparel consumption. **(9 Marks)**
- b) Describe the following terms as they relate to eco-friendly textile/ apparel.
- i) Sustainable design
  - ii) Designing for the environment
  - iii) Carbon footprint
- (15 Marks)**
- c) Define Eco-designing. Give **two (2)** characteristics of eco-friendly designs. **(6 Marks)**

**[TOTAL MARKS = 30]**



**QUESTION 3**

a) Eco-Designers need to consider the environmental impact of a product at all stages of its life cycle. Using the life cycle scenario, outline how textile product impact can be minimised at the following stages:

- i) Material selection
- ii) Apparel production

(10 Marks)

b) Describe **four (4)** ways in which designers can extend the lifespan of eco-designs.

(8 Marks)

c) Explain **four (4)** points on the impact overpopulation poses to the ecosystem due to increased textile/apparel demand.

(12 Marks)

[TOTAL MARKS = 30]

**QUESTION 4**

a) Explain how a designer can ensure the production of eco- friendly designs throughout the different phases of a textile product lifecycle.

(10 Marks)

b) Discuss **four (4)** points on the impact of “fast fashion” on the environment.

(8 Marks)

c) What does each of the following entail in relation to Green textiles.

- i) Green chemistry
- ii) Green washing
- iii) Organic dry-cleaning

(12 Marks)

[TOTAL MARKS = 30]