



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (FASHION DESIGN AND MARKETING)

HFD 205: CLOTHING FOR SPECIAL GROUPS

DATE: Friday 30th March, 2012

TIME: 2.00 – 4.00 p.m.

INSTRUCTIONS

- 1) Answer ALL Questions in the answer sheets provided
- 2) Answer ALL Questions in Section A
- 3) Answer Any TWO Questions in Section B
- 4) Use of diagrammatic illustrations is highly encourage.

SECTION A: 40 MARKS

Q.1) Describe the use of the following terms in clothing and give examples in each case. (10 marks)

- i) Protective clothing
- ii) Tensile strength
- iii) Vapour barrier
- iv) Personal armour
- v) Retro reflective

Q.2) Differentiate between the following: (6 marks)

- i) Convection and conduction
- ii) Waterproof and water repellent
- iii) Open-celled and close-celled foams

- Q.3) (i) Describe three principles used in guiding the selection of materials for bulletproof Vests. (3 marks)
- (ii) Discuss the properties of Kevlar in providing impact protection. (5 marks)
- Q.4) Explain one way of improving mobility in sportswear. (1 mark)
- Q.5) (i) State and explain factors to consider in designing fasteners for an Individual with partial paralysis of the lower body. (3 marks)
- (ii) Explain factors considered when designing clothing's for an infant Diapers. (2 marks)
- Q.6) (i) Discuss factors considered in selecting fabrics suitable for warm weather and give relevant examples. (4 marks)
- (ii) Explain the characteristics of rayon as a thermal insulator in garments. (3 marks)
- Q.7) Explain points to consider in designing clothing to enhance visibility. (3 marks)

SECTION B: 30 MARKS

Answer any TWO Questions in the answer sheet provided.

- Q.8) Discuss the effect of the environment on thermal comfort of the body and the use of clothing to regulate the body's temperature. (15 marks)
- Q.9) Clothing is both a potential cause of thermal discomfort as well as a control. Discuss. (15 marks)
- Q.10) Discuss the properties of materials for impact protection garments. (15 marks)

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