

1ST SEM. 2013/2014



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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME : BACHELOR OF SCIENCE IN
CONSUMER SCIENCE AND CONSUMER
SCIENCE EDUCATION YEAR III**

COURSE CODE : FRHD 301

**TITLE OF PAPER : HOUSEHOLD TECHNOLOGY AND
MANAGEMENT**

TIME ALLOWED : TWO (2) HOURS

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

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

The market is saturated with information and innovations that are used in households. A wide range of goods and services are available to consumers.

- a) Discuss the following factors considered when buying large household appliances.
 - i) Consider your situation and needs. (5 Marks)
 - ii) Find out as much as possible about the appliance before you buy it. (4 x 5 = 20 Marks)
- b) Decision making is an integral part of the management process. Discuss pertinent information on the two (2) first stages of the decision making process:
 - i) Defining the problem. (10 Marks)
 - ii) Seeking relevant information. (5 Marks)

[TOTAL MARKS = 40]

QUESTION 2

The human value imbalance in the world illustrates a universal management problem related to the application of technical know-how and the impact of technology on human welfare.

- a) What are some of the universally recognized problems related to utilization of technologies? (8 x 2 = 16 Marks)
- b) Various sources of heat are used in the home for heating up space and for cooking. Discuss the precautions to be taken when using each of the following sources of heat:
 - i) Wood (2 Marks)
 - ii) Paraffin (3 Marks)
 - iii) Gas (3 Marks)
 - iv) Electricity (6 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- a) To combat fatigue and conserve energy, knowledge is required on how the body muscles function during activity.
- i) Discuss the mechanism in the muscle leading to fatigue. **(5 Marks)**
 - ii) Discuss methods of work simplification related to 'work to be done' that can be applied in order to minimize fatigue. **(10 Marks)**
- b) Energy is considered one of the important resources that need to be used effectively.
- i) What is ergonomics and what is its aim? **(2+3 = 5 Marks)**
 - ii) Discuss the consideration of the work place in relation to saving energy. **(10 Marks)**

[TOTAL MARKS = 30]

QUESTION 4

- a) Values and resources influence the management process. Elaborate on how these two (2) elements influence the management process. **(2 x 10 = 20 Marks)**
- b) Technology was credited for bringing the family out of the house during the Industrial Revolution; new technologies may facilitate the family's return to the home in the future. Explain how technology is likely to facilitate this move. **(10 Marks)**

[TOTAL MARKS = 30]