



**1<sup>ST</sup> SEM. 2015/2016**

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**UNIVERSITY OF SWAZILAND**  
**SUPPLEMENTARY 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)**

- a) Management as a discipline involves characteristics of both art and science. Justify why management is both an art and a science. **(15 Marks)**
- b) Analyse George Terry's definition of management relating it to the family situation. **(10 Marks)**
- c) Laundry was first done at the river bank. The invention of soap, the laundry tub, and scrub board moved this process into the home.
- i. What considerations are important for a suitable choice of laundry equipment? **(5 Marks)**
  - ii. What are the advantages of an automatic washer over a twin tub washer? **(10 Marks)**

**[TOTAL MARKS = 40]****QUESTION 2**

- a) Today's technologically obsessed and fast advancing societies comes with enormous demand for newer, more efficient, and effective technology.
- i. Discuss universal problems associated with e-waste disposal from technology. **(10 Marks)**
  - ii. What policy statements are put in place by environmentally conscious companies who produce technologies? **(10 Marks)**
- b) Why is it important that families consciously engage in management of their affairs? **(10 Marks)**

**[TOTAL MARKS = 30]**



**QUESTION 3**

- a) The use of solid fuel for cooking and heating up spaces is commonly used in rural and urban homes.
- i. Discuss hazards associated with these fuels including the affected persons. (15 Marks)
  - ii. What can be done to reduce hazards caused by solid fuels? (5 Marks)
- b) Aluminium is commonly used in household equipment and utensils.
- i. What characteristics distinguish aluminium from other metals? (5 Marks)
  - ii. How can owners of aluminium ware take care of the utensils? (5 Marks)

[TOTAL MARKS = 30]

**QUESTION 4**

- a) Power outages can cause heavy food losses if they continue over an extended period of time.
- What factors influence freezer temperature maintenance during power outages (10 Marks)
- b) Microwave cooking appliances rank high on fuel use efficiency. However use and care are important factors for this efficiency.
- Discuss the use and care of the microwave oven. (10 Marks)
- c) Many consumers are said to 'do their shopping after buying' an appliance.
- i. What does 'shopping after buying' denotes'? (2 Marks)
  - ii. How can consumers avoid 'shopping after buying' when procuring household appliances? (8 Marks)

[TOTAL MARKS = 30]