



2ND SEM. 2005/2006

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME : DIPLOMA IN HOME ECONOMICS
EDUCATION AND HOME
ECONOMICS YEAR III**

COURSE CODE : FRHD 303

TITLE OF PAPER : HOME TECHNOLOGY

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

1.1 "It is important to know how to select and buy equipment which one's needs for the home"

Discuss this assertion with a list of your guidelines for decision making 14

1.2 What is vacuum flask? Describe its working process. 10

1.3 What current is carried by an electric fire of 2000 watt on a 240 V supply? 5

1.4 What causes food spoilage? 3

1.5 How can food spoilage be prevented? 8

[Total marks=40]

QUESTION 2

2.1 What is a Refrigerator? 4

2.2 What factors will guide a consumer in the purchase of a refrigerator? 6

2.3 Describe the operation of a refrigerator. 10

2.4 Explain the methods by which heat energy moves from one place to another. 10

[Total marks=30]

QUESTION 3

3.1 What is solid, liquid, and gaseous fuel? 9

3.2 What do you mean by following terms?

Electric current 4

Electric circuits 4

Voltage 4

Wattage 4

Sockets and plugs 4

3.3 List some labour saving devices. 1

[Total marks=30]

QUESTION 4

- 4.1 What is safety device? 10
- 4.2 Which fuse is needed for a 2.5 Kw electric kettle? 5
- 4.3 What is earthing? 5
- 4.4 Identify the malfunctions that an ELECTRIC IRON may develop as household appliances. List appropriate solutions for each fault you identify 10

[Total marks=30]