



**2<sup>ND</sup> SEM. 2007/2008**

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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**

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GRANTED BY THE CHIEF INVIGILATOR**

**Question 1**

- a) Explain why it is useful to have the following information on food packaging
- i. Nutrition information
  - ii. Ingredients
  - iii. Barcode
  - iv. Litterman
  - v. Environmentally friendly symbol
  - vi. Microwave instruction
  - vii. Freezing instruction [7]
- b) What is meant by “genetic modification”? Give an example of its use in a food product. [6]
- c) What is the concept of non-stick cookware? State three (3) advantages of using non-stick cookware. [6]
- d) Explain what is meant by the following terms:
- i. UHT      shelf-stable foods
  - ii. MAP      irradiation
  - iii. HTST      canning
  - iv. Vacuum packing
- Give examples of foods which may be preserved by each of the processes. [12]
- e) What is the difference between the dates codes “use-by”, “best-before” and “best before end”? Give an example of a food product which uses each type of date code. [9]

**[Total Marks=40]**

**Question2**

**“A food freezer is a time saver in reducing the number of food shopping trip”**

- a) How many types of food freezers are generally found in the Swazi market? Explain their special features. [10]
- b) How is a freezer installed and how does it operate? [10]
- c) Give five (5) suggestions for efficient operation of food freezer. [5]
- d) How will you clean and defrost it? [5]

**[Total Marks=30]**

**Question3**

- a) i. Describe the different methods of drying food commercially. [6]
- ii. What is the nutritive value of dried food? [3]
- iii. What are the advantages of using dried foods in cooking? [3]
- b) i. What is a fuse? [2]
- ii. Differentiate between cartridge fuse and bridge fuse. [6]
- iii. What to do when a fuse blows away? [4]
- c) How can fuel be economically and safely used? [6]

**[Total Marks=30]**

**Question 4**

- a) **“ It is important to know how to select and buy equipment that fit one’s needs for the home”**  
Discuss this assertion with a list of your guidelines for decision making. [14]
- b) Differentiate between twin-tub washing machine and automatic washing machine. [14]
- c) Provide and discuss two factors that you consider very important in choosing a washing machine. [2]

**[Total Marks=30]**