

**P640/2  
FOODS AND  
NUTRITION  
(WITH SCIENCE  
IN THE HOME)  
PAPER 2  
AUGUST, 2019  
2 ½ hrs**



# **UNNASE MOCK EXAMINATIONS**

***Uganda Advanced Certificate of Education***

**FOODS AND NUTRITION**

**(With Science in the Home)**

**PAPER 2**

**Duration: 2 HOURS 30 MINUTES**

## **INSTRUCTIONS**

- *Answer any four questions*
- *All questions carry equal marks.*

1. (a) Explain the following processes as used in the production of Bio-gas.
  - i. Hydrolysis
  - ii. Acidogenesis
  - iii. Methanogenesis
- (b) Give reasons why Bio gas is recommended in Uganda schools today.
- (c) Discuss the factors that affect drying of clothes on a windy day.
2. (a) With a help of a diagram, describe the working mechanism of a micro wave oven.
- (b) (i) What precaution would you take when using a microwave oven?  
(ii) State the limitation of using a microwave oven
- (c) Distinguish between natural and forced convection as used in room ventilation.
- (d) Explain the roles of proper ventilation in a home.
3. (a) Give an explanation to the ways of getting rid of solid waste from kitchens.
- (b) Explain the causes of “hardness” in water.
- (c) State the ways of controlling natural light in the house.
- (d) Describe the way of measuring total hardness in water between 100° - 200°?
4. (a) State the importance of the following water treatment process.
  - (i) Screening
  - (ii) pre-settlement
  - (iii) cascade aeration
- (b) Explain the reasons why the major products of carbonisation is becoming expensive today.
5. (a) Describe the candle filter purification method-illustration is necessary.
- (b) Explain the advantages of hurricane lamp and its limitations.
- (c) Using an illustration, show the contents of a cartridge fuse.
6. (a) Identify the protective measures or devices used to safe guard kitchen staff against electrical hazards.
- (b) Discuss how you would determine the wattage of an appliance which has no label.
- (c) Explain the construction and importance of double glazing to the house dwellers.
- (d) What are the biological roles of water?

**\*\*\*\* END \*\*\*\***