**P640/2**

**FOODS AND**

**NUTRITION**

**(WITH SCIENCE**

**IN THE HOME)**

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**Community**

UNNASE MOCK EXAMINATIONS

**PAPER 2**

**AUGUST, 2019**

**2 ½ hrs**

***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.

1. Hydrolysis
2. Acidogenesis
3. 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 connection 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 100o -200o?

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 bibiogical roles of water?

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