



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2022/2023

THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR DIPLOMA IN FOOD
SCIENCE AND TECHNOLOGY

AFT 2502: FOOD PACKAGING

DATE: APRIL 2023

TIME: 1½ HOURS

INSTRUCTIONS: Answer Question one and any other two questions

QUESTION ONE (30 MARKS)

- a) Define the following.
 - i. Packaging (2marks)
 - ii. Package (1mark)
- b) Discuss the chemical processes used to produce paper (6marks)
- c) Name two types of plastics used in food packaging (2marks)
- d) Describe the packaging environment (6marks)
- e) Explain the functions of packaging (4marks)
- f) Highlight the functions of national environment management authority (NEMA) in Kenya (4marks)
- g) Explain the following terms
 - i. Drawing (2marks)
 - ii. Re-drawing (2marks)
 - iii. Ironing (1mark)

QUESTION TWO (15 MARKS)

- a) Discuss the methods used in the manufacture of films and sheet (6marks)
- b) Explain the processing of plastic in a food industry (9marks)

QUESTION THREE (15 MARKS)

- a) Explain the two main types of glass packaging (2marks)
- b) Highlight the advantages of glass packaging (5marks)

c) Explain the forming process of glass packaging (8marks)

QUESTION FOUR (15 MARKS)

a) Discuss the can making processes in metal packaging (6marks)

b) Name the four types of metals used in packaging (4marks)

c) Highlight the types of foods stored in metal packaging (5marks)