

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF SCIENCE IN FOOD SCIENCE TECHNOLOGY

FOST 461: PACKAGING, STORAGE AND DISTRIBUTION OF FOODS

STREAMS: B.Sc FOST Y4S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any other TWO Questions in Section B

SECTION A

1. (i) Explain food packaging. [1 Mark]
(ii) Differentiate between consumer and industrial packaging. [2 Marks]
2. Describe the additives used in manufacture of plastics. [6 Marks]
3. Explain injection molding plastic forming process. [5 Marks]
4. Discuss the concept of active packaging in food processing. [5 Marks]
5. Describe the glass forming process up to the transfer of “gob”. [5 Marks]
6. Describe the types of metal used in food packaging and their general properties. [6 Marks]

SECTION B

7. (a) Draw a diagram to illustrate the structure and name the main components of a double seam. [8 Marks]
(b) Discuss major active agents as used in active packaging of foods. [12 Marks]
8. (a) Explain the functions of food packaging. [8 Marks]
(b) Discuss the recycling of food packaging materials. [12 Marks]

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9. (a) Explain the different food packaging systems. [8 Marks]

(b) Paper and paperboard are the most commonly used packaging material in the world.
Describe types of paper and their application. [12 Marks]

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