

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

STREAMS: BSC (FOST) Y4S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS: Answer all questions in section A and any other two question section B

SECTION A (30 MARKS)

1. (a) Describe the functions of food packaging [8 marks]
(b) List the properties of PET that make it attractive as a food packaging material [5 marks]
2. Name different paper pulping methods and characterize the paper produced [6 marks]
3. Describe the three piece can and the forming process [7 marks]
4. Differentiate consumer packaging from industrial packaging [4 marks]

SECTION B

5. (a) Name and discuss the characteristics of three main gases used for modified atmosphere packaging for foods. [15 marks]
(b) Give four characteristics of glass that make it important as a food packaging material and one of its disadvantages [5 marks]
6. (a) Briefly name and explain additives used in manufacture of plastics [12 marks]
(b) Name types of paper and their applications in food packaging [8 marks]
7. Discuss the active agents used in active packaging in food processing [20 marks]

