



**UNIVERSITY OF GHANA**  
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**B.Sc. ENGINEERING FIRST SEMESTER EXAMINATIONS: 2016/2017**

**DEPARTMENT OF FOOD PROCESS ENGINEERING**

**FPEN 409: FOOD PLANT SAFETY (2 Credits)**

**INSTRUCTION: *ANSWER ALL FIVE (5) QUESTIONS***

**TIME ALLOWED: *TWO (2) HOURS***

1. Discuss how workers' safety in food plants may be assured based on the following :
  - a. The Coca-Cola operating requirements (KORE)
  - b. Inherently Safer Designs
2. Write brief comments on effective plant safety management principles.
3. With specific examples explain the term "hazard" as used in food plant safety management. Discuss the procedures involved in process hazard analyses for an industrial operation.
4. List any 4 most frequently occurring occupational accidents in the food manufacturing industry and discuss the considerations for a factory design to assure worker safety.
5. Write brief comments on OSHA.