



**SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN FOODS NUTRITION
AND DIETETICS**

TIME: 11.00a.m – 1.00p.m

1.
 - a) Discuss any three food borne major disease outbreaks in Kenya. [3marks]
 - b) What happened, where, who was affected and how were these outbreaks controlled? [7marks]
2.
 - a) Discuss significance of DDT, Lead and Mercury to food safety in Kenya (indicate how they may enter into the food chain) [5marks]
 - b) Explain a typical growth curve of microorganism in food. [5marks]
3.
 - a) What do you understand by HACCP? [3marks]
 - b) Explain the seven steps to the development and implementation of HACCP. [7marks]
4. Discuss the following concepts as used in food safety.
 - a)
 - i) Food poisoning [5marks]

- ii) Nascent oxygen [5marks]
 - b)
 - i) Sources of food contamination [4marks]
 - ii) Techniques of reducing microbial loads of food. [6marks]
- 5. Explain the following terms.
 - i) Hygiene [2marks]
 - ii) Safety [2marks]
 - iii) Infection [2marks]
 - iv) Danger zone [2marks]
 - v) Biomagnification [2marks]
 - vi) Food additives [2marks]
 - vii) Adulteration [2marks]
 - viii) Food quality [2marks]
 - ix) Threshold [2marks]
 - x) Cross contamination [2marks]