



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF **ENVIRONMENT AND HEALTH SCIENCE**

DIPLOMA IN ENVIRONMENTAL HEALTH (DEH 11M)

DIPLOMA IN NUTRITION HEALTH (DNH 11M)

ANH 2306/AES 2304

FOOD SAFETY AND HYGIENE II

SEMESTER: END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER, 2013

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FOUR** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

*This paper consists of **TWO PRINTED** pages*

(Compulsory – Answer ALL Questions)

Question ONE

(a) Explain the hygienic considerations in:

- (i) Food contact surfaces **(2 marks)**
- (ii) Pipe fittings and installations **(2 marks)**

(b) State **FOUR** hygienic codex requirements for food Handlers. **(4 marks)**

(c) Distinguish between critical limits and corrective actions in food safety management systems. **(2 marks)**

(d) Highlight **FOUR** types of impurities present in water from natural sources. **(4 marks)**

(e) Explain the importance of food standards. **(2 marks)**

(f) Describe the recommended procedure for cleaning food contact surfaces. **(3 marks)**

(g) Highlight the process of food legislation in Kenya. **(4 marks)**

(h) Explain **TWO** ways of controlling pests and rodents in food premises. **(4 marks)**

(i) Explain the principle of heat processing foods to control contaminants. **(3 marks)**

(Answer Any Other **TWO** Questions)

Question TWO

(a) Discuss the types of sanitary standard operation procedures. **(6 marks)**

(b) Explain **THREE** methods of sterilizing cleaned cleared plant surfaces. **(9 marks)**

Question THREE

Discuss **FIVE** processing preservation principles in food safety. **(15 marks)**

Question FOUR

Discuss the ISO22000 food safety management system. **(15 marks)**

Question FIVE

(a) Highlight **FIVE** current good manufacturing practices. **(10 marks)**

(b) Discuss the legislation of food safety in Kenya. **(5 marks)**