



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN FOOD TECHNOLOGY AND QUALITY ASSURANCE

AFS 2208 : FOOD PLANT HYGIENE AND ENVIRONMENTAL
MANAGEMENT

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Pick Date Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- | | |
|---|-------------|
| a) Define the following terminologies | |
| i) Sterilization | Three Marks |
| ii) Steam sterilization | Three Marks |
| iii) Antiseptic | Three Marks |
| iv) Sanitization | Three Marks |
| v) Disinfectant | Three Marks |
| vi) Disinfection | Three Marks |
| b) Give FOUR household cleaners | TWO marks |
| c) How do BLEACHES work? | TWO marks |
| d) Which are THREE types of surfactants. | THREE marks |
| e) Give TWO types of disinfection | TWO marks |
| f) Explain the term DISMANTLE AND CLEAN Process | ONE mark |
| g) What are the TWO types of disinfection? | TWO marks |

Question TWO

- a) Explain FOUR factors affecting Detergent efficiency
- b) Define ZONING

TWELVE Marks
ONE mark

Question THREE

- a) Write short notes on interior hygienic design construction materials
- b) Explain how to clean Heated surfaces

TEN marks
FIVE marks

Question FOUR

- a) Explain merits of HYGIENICALLY DESIGNED LIGHTING
- b) Give FIVE areas where CIP is applicable

TEN marks
FIVE marks

Question FIVE

- a) Give recommendations for pocket free drains
- b) Explain importance of a Plant design with a balanced Air supply and Exhaust system

FIVE marks
TEN marks