



# Technical University of Mombasa

Faculty of Applied and Health Sciences

**DEPARTMENT OF PURE AND APPLIED SCIENCES**  
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN DEVELOPMENT STUDIES  
**BSDS**

## **APH 4307 : PRINCIPLES OF OCCUPATIONAL HEALTH AND SAFETY**

SUPPLEMENTARY/SPECIAL: EXAMINATION

MARCH 2014 SERIES

2 HOURS

Instructions to candidates:

This paper consists of **FIVE** questions

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

### QUESTION ONE

- a) State three main focus in occupational health **(3 marks)**
- b) Explain how air contaminants can occur in work places **(4 marks)**
- c) State five objectives of an occupational health service. **(5 marks)**
- d) Explain why risk analysis is important in the workplace **(4 marks)**
- e) Explain why occupational health provision is preferred in contemporary society **(5 marks)**
- f) Define the following terms. **(4 marks)**

- (i) Anticipation
  - (ii) Recognition
  - (iii) Evaluation
  - (iv) Control
- g) Explain effects of temperature in work place. **(5 marks)**

## **QUESTION TWO**

- a) Occupational health services are very important in an organization. Explain its function. **(14 marks)**
- b) Explain ways which can be used to ban smoking in work places. **(6 marks)**

## **QUESTION THREE**

Describe accident investigation and prevention in relation to a work place. **(20 marks)**

## **QUESTION FOUR**

- a) Explain four factors increasing stress in the lower back during normal handling of goods. **(7 marks)**
- b) State the function of health and research division in an organization. **(4 marks)**
- c) Explain the parameter to use when evaluating success of a health promotion outcome in an organization. **(9 marks)**

## **QUESTION FIVE**

- a) Describe how to control occupational health risks **(12 marks)**
- b) Explain primary health care (PMC) services for employment workers. **(8 marks)**