



## KENYATTA UNIVERSITY

### UNIVERSITY EXAMINATIONS 2016/2017

#### FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE (OCCUPATIONAL HEALTH AND SAFETY)

#### PEO 801: FOUNDATIONS OF OCCUPATIONAL HYGIENE

DATE: FRIDAY 2<sup>ND</sup> NOVEMBER 2016

TIME: 2.00 P.M. - 5.00 P.M.

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#### INSTRUCTIONS:

##### SECTION A:

*Answer ALL questions in this section (50 marks)*

##### Question One:

- a) Explain the historical Development of Occupational Hygiene. (10 marks)
- b) Explain **five** core principles in Occupational Health and safety. (10 marks)
- c) Describe **five** types of chemicals found in work place that can affect the health of workers. (10 marks)
- d) Explain how you can identify hazards at workplace. (10 marks)
- e) Describe **five** general approaches to the control of risks to health at work place. (10 marks)

##### SECTION B:

*Answer any THREE questions in this section (90 marks)*

##### Question Two:

- a) Explain the meaning of ergonomic hazards (5 marks)
- b) Explain the main Musculoskeletal associated with ergonomic hazards (15 marks)
- c) Describe the common causes of Musculoskeletal injuries. (10 marks)

**Question three:**

Using relevant examples, describe types and causes for personal protective equipment used in construction industry. (30 marks)

**Question Four:**

With relevant examples, discuss how you can prevent and control the health impact of hot and cold work environments. (30 marks)

**Question Five:**

Discuss the Application of Occupational Safety and health Administration (OSHA). (30 marks)

**Question Six:**

- a) Explain the advantages of monitoring occupational health hazards at workplace. (10 marks)
- b) Give a detailed account of two of the methods that are generally used in monitoring occupational hazards at workplace. (20 marks)