



GRETSA UNIVERSITY - THIKA

**UNIVERSITY EXAMINATIONS
MAY - AUGUST 2018 SEMESTER**

**CERTIFICATE IN ENVIRONMENTAL HEALTH/
COMMUNITY HEALTH/ COMMUNITY NUTRITION AND
DIETETICS**

COURSE CODE: CIEH 024

**COURSE TITLE: PRINCIPLES OF OCCUPATIONAL HEALTH
AND SAFETY**

DATE: 9 AUGUST 2018

TIME: 8.00 AM – 11.00 AM

INSTRUCTIONS TO CANDIDATES

1. SECTION A IS **COMPULSORY**.
2. SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

CAUTION: *All exam rooms are under CCTV surveillance during the examination period.*

SECTION A: COMPULSORY

SECTION A: MULTIPLE CHOICE QUESTIONS

[ONE MARK EACH]

1. Emergency procedures have been devised to keep everyone safe.
 - A. TRUE
 - B. FALSE

2. A hazard is any situation that has the potential to cause injury, illness, or death.
 - A. 3. TRUE
 - B. FALSE

3. To reduce injury, a risk control process accompanied by hazard-management procedures needs to be established.
 - A. TRUE
 - B. FALSE

4. When providing a safe working environment for staff, employers must eliminate all risks to health and safety.
 - A. TRUE
 - B. FALSE

5. If you have to evacuate the workplace during an emergency, ensure that you take all of your personal belongings before evacuating the building.
 - A. TRUE
 - B. FALSE

SHORT ANSWER QUESTIONS: ANSWER ALL QUESTIONS IN THIS SECTION

1. Giving relevant examples, explain the following terms as applied in Occupation Health and Safety in any place of work:
 - a) Occupation. [3 Marks]
 - b) Safety [3 Marks]
 - c) Hazard [3 Marks]
2. Outline any four principles of health and safety? [4 Marks]
3. Name any three groups of hazards found in workplaces. [3 Marks]
4. What can employees do to show that they are fulfilling their duty of care obligation? [4 Marks]
5. Outline any four Objectives of occupational health [4 Marks]
6. List any four protective gears that are routinely necessary for workers whose nature of work do expose them to occupational hazards in the working environment [4 Marks]
7. Give any four examples of electromagnetic radiation that can cause devastating effects to human when exposed to. [4 Marks]
 - a) Highlight three significance of occupational health and safety committees [3 Marks]

SECTION B**[CHOOSE ANY THREE QUESTIONS]**

1.

- a) Explain the Job Hazard Analysis process [14 Marks]
- b) Discuss how chemical hazards can be controlled at the workplace [6 Marks]

2.

- a) Explain Personal Hygiene Practices relevant at a food factory [14 Marks]
- b) Explain any three reasons compelling manufacturing industries to adhere to occupational health and safety programmes [6 Marks]

3.

- a) Discuss the cost implications associated with poor working conditions to both the employer and employees of a pharmaceutical manufacturing industry [6 Marks]
- b) Discuss the properties of chemical hazards that make them potentially harmful. [14 Marks]

4.

- a) As a Public Health Specialist in your county discuss how you will apply the principles of occupation health and safety in addressing various hazards in work places.[8 Marks]
- b) Discuss and classify hazards in occupational health and safety. [12 Marks]