

BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING

In collaboration with

ZIMBABWE OPEN UNIVERSITY

Diploma in Human Resources Management

**OCCUPATIONAL HEALTH AND SAFETY
(D-OS 01)**

SESSIONAL EXAMINATION

Marks – 100

Time Allowed: 3 Hours

Instructions to candidates:

1. This examination contains three sections (A, B and C). Answer **all questions** in Section A, **five questions** from Section B and **two questions** in Section C.
2. Answer questions only in the answer booklet provided
3. Start a question on a new page
4. Write legibly in grammatical English.
5. Use examples where possible to support your explanations

SECTION: A - Answer all - Multiple Choice

10 MARKS

1. A branch of medical science concerned with protecting workers from health hazards arising from their occupation and attending to health emergencies.

A. Bio-medical science	B. Occupational medicine
C. Psychology	D. Neurology

2. is something with the potential to cause harm.

A. Energy	B. SHE
<input checked="" type="radio"/> C. Hazard	D. Risk

3. Name the substances which cause changes in the genetic material of the body.

A. Carcinogens.	B. Chemical asphyxiants
C. Anaesthesia.	<input checked="" type="radio"/> D. Mutagens.

4. Dermatitis is a disease -----.

A. of the heart.	B. of lungs
C. transmitted by animals.	<input checked="" type="radio"/> D. of the skin

5. Which one of the following is not a biological stressor in the work environment?

<input checked="" type="radio"/> A. fatigue.	B. fungi.
C. algae	D. bacteria

6. The results section of an occupational hygiene investigation report contains -----

A. aims of the investigation.	B. a summary of investigation
C. interpretation of the results.	<input checked="" type="radio"/> D. the findings of the investigation.



7. Welding goggles are worn on the -----
A. chest. B. hands. C. face. D. hip
8. Vision impairment refers to a disease of -----
A. the lungs. B. the eyes. C. the muscles. D. the respiratory system
9. Post-accident conditions refers to -----
A. inspection of the accident site before any changes take place.
B. recording all the relevant information
 C. circumstances after occurrence of the accident
D. taking photographs of the accident scene.
10. The following are causes of job stress except -----
 A. having very little work to do
B. a serious family problem
C. work that is repetitive and boring
D. introduction of a new organizational structure.

SECTION: B (Answer any Five questions from this section). 60 MARKS.

1.
(a). Define occupational health and explain why it is essential in the work place. (6 marks)
(b). Explain what you mean by "statutory" medical examination. Give two examples of jobs where it is needed. (6 marks)

2. *- Mining*
 - Divers
There are various types of medical examination in use in organisations. Briefly state and explain any four (4) types of medical examination. (12 marks)

3. ✓ (a). Distinguish between occupational hazard and risk. Support your answer with examples from the workplace. (6 marks)
likelihood to cause harm
- (b). Explain:
(1) The steps in the evaluation of health hazards. (3 marks)
(2) The significance of evaluation in occupational health and safety. (3 marks)
4. ✓ (a). Explain the meaning and purposes of "ergonomics" programme. (6 marks)
work ↓ law
- (b). Explain why proper ventilation is important at the work environment. (6 marks)
5. ✓ (a). State the general requirements of lighting at work places? (8 marks)
- (b). The layout of a workplace should be based on many considerations. List four points to be taken care of while deciding the layout. (4 marks)
6. ✓ (a). Explain any four chronic and specific health problems linked to stress. (8 marks)
- (b). State the procedures to be followed to claim compensation. (4 marks)
- x 7. Write short notes on any three (3) of the following. (12 marks)
1. Sick Building Syndrome (SBM) (4 marks)
 2. Chronic Obstructive Pulmonary diseases (COPD) (4 marks)
 3. Occupational Asthma (4 marks)
 4. Synergism of risk factors (4 marks)



**DIPLOMA
December 2010**

**Sessional Examination
Occupational health and safety**

SECTION: C.

30 MARKS

Answer any two of the following questions. Your response should be in an essay form.

1. Discuss an accident or incident investigation under the following sub-headings:

(a). objectives of investigation.

(b). circumstances for which an investigation is conducted.

(c). procedures followed when conducting an investigation.

(15 marks)

† 2. Explain the following pieces of legislation spread across different ministries such as health, mines, etc to supplement the factories act.

(a). Public Health Act (1971).

(b). Worker`s Compensation Act (1988).

(15 marks)

3. An occupational hygiene investigation is never complete without a report on the findings of the investigation. Elaborate the various contents.

(15 marks)