



Botswana Open  
University

**BOTSWANA OPEN UNIVERSITY (BOU)**

**BACHELOR OF EDUCATION – PRIMARY & IECD**

**HEALTH AND SAFETY**

**HS/HSE 211**

**SESSIONAL EXAMINATION**

**MARKS: 100**

**DURATION: 3 HOURS**

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Instructions to students:

1. The examination consist of Five Sections: A, B, C, D, and E
2. Begin each answer to a new question on a new page
3. Answer all the questions according to instructions given in each section
4. Write answers in the answer booklet provided
5. Write in grammatical English

**SECTION A**

**MULTIPLE CHOICE**

**10 MARKS**

**INSTRUCTIONS**

1. Answer all questions in this section.
2. Choose the correct answer and write the appropriate letter on the answer booklet provided.

1. The following can be found in a first aid kit except
  - A. Gauze
  - B. Tweezer
  - C. Bandage
  - D. Injection
  
2. Which of the following can be used by managers to reduce stress in a workplace?
  - A. Keeping stress level at zero in a work place
  - B. Giving employees information and training on how to cope with stress
  - C. Advocating for increased wages
  - D. Avoiding stressed employees and give them more time to heal
  
3. A place where people gather in case of fire.
  - A. Station
  - B. Church
  - C. Assembly point
  - D. Assembly area
  
4. Which of the following is a physical symptom of stress?
  - A. Anxiety
  - B. Anger
  - C. Headache
  - D. Impatience

5. The following does not apply to the severity of an injury except
- A. Permanent
  - B. Loss of money
  - C. First aid only
  - D. Fatality
6. Safety and Health committee is formed when there are:
- A. 50 or more employees
  - B. 20 – 30 employees
  - C. 10 – 20 employees
  - D. 1 – 40 employees
7. Successful Safety and Health management consists of \_\_\_\_\_ steps.
- A.3
  - B.4
  - C.6
  - D.5
8. OSHMS stands for:
- A. Occupational Safety and Health Management System
  - B. Occupational Safety and Health Management Sector
  - C. Occupational and solutions to Health Management System
  - D. Occupational and Safety to Ministerial System
9. The following are examples of Physical hazards except:
- A. Noise
  - B. Vibration
  - C. Platforms.
  - D. Radiation

10. Which of the following is a minor injury?

- A. Dislocation
- B. Bruises
- C. Head injury
- D. Fracture

**SECTION B**

**MATCHING**

**10 MARKS**

**INSTRUCTIONS**

1. Match the items listed in column A to their responses in column B
2. Write the number with corresponding letter on the answer booklet provided

COLUMN A	COLUMN B
1. Overall management that includes the organizational structure.	A. Employer
2. Immediate assistance given to someone injured.	B. Occupational safety and health management
3. Involves the principle of a proper place for everything.	C. First aid
4. An unexpected, unplanned event.	D. Gambling
5. Situation where the job is not challenging	E. House keeping
6. Behavioral symptom of stress.	F. Hazard
7. Psychological symptom of stress:	G. Job content
8. Physical symptom of stress	H. Accident
9. Something with the potential to cause harm.	I. Tendinitis
10. Inflammation of the tendon especially in the fingers	J. Back pain
	K. Depression

SECTION C

STRUCTURED

20 MARKS

INSTRUCTIONS

Answer all the questions in this section on the answer booklet provided.

1. Define the following terms: (2 marks)
  - i) Hazard
  - ii) Risk
  
2. Describe any two classes of fire. (4 Marks)
  
3. State four causes of electrical shock (4 marks)
  
4. Give two results of poor occupational safety and health management in a workplace. (2 marks)
  
5. Describe any two importance of occupational safety and health (4 marks)
  
6. Describe any two principles of correct manual handling in ergonomics. (4 marks)

**SECTION D -**

**CASE STUDY**

**20 MARKS**

**Instructions:**

Read the case study below and answer all questions in this section.

Mary works in an old school kitchen, which has not been maintained over years. The old structure has poor ventilation, poor drainage system, and damaged floor, poor lighting system. There was currently an outbreak of diarrhea for students who consume food from this kitchen. The inspectors discovered that this was due to poor hygienic practices.

**QUESTIONS**

1. Describe any three unsafe conditions. (6 marks)
2. State any two physical hazards that you may find in this kitchen. (2 marks)
3. Identify five health problems that Mary can experience due to the type of environment she works in. (5 marks)
4. Outline three hidden costs that may occur in this environment. (3 marks)
5. Explain two roles of the employer in ensuring safety measures in this scenario.

(4 marks)

**SECTION E**

**ESSAYS**

**40 MARKS**

**Instructions**

**Choose any two questions and answer in the answer booklet provided**

**Each essay carries 20 marks**

1. Discuss the FIVE (5) risk assessment process.
2. Discuss five duties of an employee under the employment Act.
3. Discuss Sources and Managing biological hazards.