



**UNIVERSITY OF SWAZILAND**  
**Faculty of Health Sciences**  
**Department of Environmental Health Science**

**BACHELOR OF SCIENCE IN ENVIRONMENTAL  
MANAGEMENT AND OCCUPATIONAL HEALTH**

**JANUARY, 2020 RESIT EXAMINATION PAPER**

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**TITLE OF PAPER : OCCUPATIONAL HEALTH SERVICE MANAGEMENT I**  
**COURSE CODE : EHS 317**  
**DURATION : 2 HOURS**  
**MARKS : 100**

**INSTRUCTIONS**

- 1. Read the questions & instructions carefully**
- 2. Then answer ANY FOUR (4) questions**
- 3. Each question is weighted 25 marks**
- 4. Write neatly and clearly**
- 5. Begin each question in a separate sheet of paper**
- 6. Numbering within a chosen question should be in a sequential order**
- 7. BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.**

**DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY  
THE INVIGILATOR.**

**QUESTION 1**

- a) Define OHS auditing and highlight the key areas it tries to address (6).
- b) Outline the key issues that should be contained in OHS accommodation and equipment (10).
- c) You have asked to motivate why an OHS is critical in the workplace. What salient points will you advance in support of this entity? (8).
- d) What is a near-miss? (1).

**TOTAL MARKS 25**

**QUESTION 2**

- a) Write short notes on safe work practices under the physical and mental state of the worker (10).
- b) List the 4 basic rights and 4 responsibilities of the worker in the workplace (8).
- c) What steps will you incorporate into your daily routine to reduce occurrence of hazards in the workplace if you have been chosen as a H&S representative? (6).
- d) What is regarded as a licence to operate for an organization? (1)

**TOTAL MARKS 25**

**QUESTION 3**

- a) How can one measure success of an on-going training in the workplace? (6)
- b) What normally necessitates refresher trainings at work? (8).
- c) Outline the components that may be required if one was to develop an on-going training for workers (6).
- d) If the Occupational Health Services has areas of non-compliance, what actions should it implement? (5)

**TOTAL MARKS 25**

**QUESTION 4**

- a) List the task variables that are needed to calculate the Recommended Weight Limit in the NIOSH Lifting Equation Outputs (12).

- b) What is the indication of a Lifting Index value of less than 1.0 and one that is more than 1 also indicating what happens as the LI increases? (5)**
- c) Why is the NIOSH lifting equation always use a Load Constant of 23kg? (3)**
- d) How is the coupling between the worker's hands and the object determined? (5)**

**TOTAL MARKS 25**

**QUESTION 5**

- a) In a tabular form present the two parallel times that address health promotion and occupational health in the workplace (17).**
- b) Enumerate the elements that should be considered when using the WISHA Lifting calculator in Material Manual Handling (5).**
- c) How is the MIOSHA Lifting Index calculated? (3)**

**TOTAL MARKS 25**