



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

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

**JULY 2018 RESIT EXAMINATION PAPER**

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**TITLE OF PAPER : OCCUPATIONAL HEALTH SERVICE MANAGEMENT II**  
**COURSE CODE : EHS 354**  
**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. Numbering within a chosen question should be in a sequential order**
- 6. BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.**

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

**QUESTION 1**

With an aid of a diagram give a brief description of the flow of activities within the framework of Basic Occupational Health and Safety (25 marks).

**TOTAL MARKS 25**

**QUESTION 2**

- a) Why should medical examinations be continuously monitored? (2 marks).
- b) Give the rationale of collecting data of diseases from workers (2 marks)
- c) Differentiate between active and passive surveillance (4 marks)
- d) Briefly discuss the active health surveillance at the enterprise level (5 marks)
- e) Explain the main(s) purpose of health examinations (6 marks)
- f) Which body parts are likely to be affected due to musculoskeletal vibration (6 marks)?

**TOTAL MARKS 25**

**QUESTION 3**

- a) According to the history of HAVS, name the milestones that occurred in the following years; 1975, 1985, 1997 (6 marks).
- b) "The trouble seems to be caused by the vibrations of the tool and cold..." Who made this observation? (2 marks)
- c) List the contents that one would find in an occupational health service medical laboratory unit (7 marks).
- d) Outline the types of preventative medical examinations that workers may undergo in the workplace (8 marks).
- e) How can one carry out verification of a syringe during a spirometry examination? (2 marks).

**TOTAL MARKS 25**

**QUESTION 4**

- a) What is the disadvantage of using heavy & older tools in relation to vibration? (2 marks)
- b) Define WBV and HAVS (4 marks)
- c) As an Occupational Safety and Health officer (OSHO) what can be done in the long term to reduce the incidence of WBV? (6 marks)
- d) Outline the general role of the OSHO officer with regards to WBV (4 marks)
- e) List 3 personal factors that might contribute to WBV (6 marks)
- f) How can driver visibility be a problem considering WBV (2 marks)
- g) Define hemoptysis (1 mark).

**TOTAL MARKS 25**

**QUESTION 5**

- a) How is the Rinnie's test carried out? (8 marks).
- b) Indicate the level of hearing loss in the following scenarios (6 marks).
  - Normal hearing
  - Mild hearing loss
  - Moderate hearing loss
  - Moderate-severe hearing loss
  - Severe hearing loss
  - Profound hearing loss
- c) What delegated responsibilities are given to occupational health experts with regards to surveillance of worker's health? (5 marks).
- d) Accident risks are managed according to the same logic as other risks at work. Outline this logic (4 marks).
- e) Define Ménière disease (2 marks)

**TOTAL MARKS 25**