



COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

SPH 537: OCCUPATIONAL HEALTH 2

END OF FIRST SEMESTER EXAMINATION

APRIL/MAY 2019

LECTURER: MR. R. DOZVA

DURATION: (3 HRS)

INSTRUCTIONS

Please read carefully the following instructions.

ANSWER ANY FOUR (4) QUESTIONS

THE MARK ALLOCATION FOR EACH QUESTION IS INDICATED
AT THE END OF THE QUESTION

CREDIT WILL BE GIVEN FOR LOGICAL, SYSTEMATIC AND NEAT
PRESENTATION

PLEASE NUMBER THE QUESTIONS ON YOUR ANSWER SHEET
EXACTLY AS THEY ARE NUMBERED ON THE QUESTION PAPER

Question 1

Assess the level of preparedness of Zimbabwe in chemicals safety and health management in accordance with the provisions of the Globally Harmonised System (GHS). [25]

Question 2

a) Describe the components of occupational hygiene. [15]

b) Air contains 125ppm of acetone (Exposure limit, 250ppm), 100ppm of sec-butyl acetate (Exposure limit, 200ppm) and 50ppm of methyl ethyl ketone (Exposure limit, 200ppm). Determine whether the exposure limit for this additive effect mixture has been exceeded. [10]

Question 3

Write short notes on the following

Mercury [5]

Occupational asthma [5]

Benzene [5]

Ionizing radiation [5]

Occupational stress [5]

Question 4

Discuss the legislative and management systems approaches in the management of occupational health [25]

Question 5

Noise is a major occupational health problem in Zimbabwe. Giving examples explain how a hearing conservation program assists in the management of noise induced hearing loss. [25]

Question 6

Explain the importance of International Labour Organisation conventions 155 (Occupational Safety and Health) and 161 (occupational Health Services) in the management of occupational health. [25]