



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**THIRD YEAR SECOND SEMESTER EXAMINATIONS FOR THE  
DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL  
SCIENCE WITH INFORMATION TECHNOLOGY**

**MAIN CAMPUS**

**NES 314: OCCUPATIONAL HEALTH AND SAFETY**

Date: 22<sup>nd</sup> April, 2016

Time: 2.30 - 4.30 pm

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**INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.



1. (a) Explain the concept of occupational health and safety. (5 marks)  
(b) Explain why work place ergonomics is key in prevention of work-related musculoskeletal disorders (8 marks)  
(c) Explain the risk factors associated with cardiovascular work related disorders. (9 marks)  
(d) Explain the significance of periodic training of workers on occupational health and safety issues at the work place. (8 marks)
2. Discuss the occupational hazards faced by informal solid waste scavengers in developing Countries. (20 marks)
3. (a) Explain the disorders that healthcare workers are likely to experience as a Result of their work environment. (10 marks)  
(b) Explain the preventive mechanisms that can be put in place to address the disorders in (a) above. (10 marks)
4. With the aid of specific examples, discuss the occupational hazard Prevention and control hierarchy. (20 marks)
5. (a) Explain why environmental risks are key determinants of work-place Psychosocial hazards. (10 marks)  
(b) Explain five key issues that must be addressed in disability evaluation of workers. (10 marks)
6. You have been appointed as a lead consultant to spear-head the formulation of an occupational health and safety policy for Maseno University. With reference to the Occupational Health and Safety Act, 2007, discuss 5 key areas that your team must address in formulating this policy. (20 marks)