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**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2023/2024**

**EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN-GLOBAL  
HEALTH**

**PPH 3109: ADVANCED OCCUPATIONAL AND ENVIRONMENTAL HEALTH**

**DATE: AUGUST 2024**

**TIME: 3 HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR OF THE SIX QUESTIONS BELOW**

1.
  - a. Analyze and provide relevant examples of various categories of Hazards Classification in a workplace 10 Marks
  - b. Using a suitable examples, explain the concept of Traceability as it is expressed in the Kenya National Food Safety Policy (2013) and the challenges associated with its accomplishment 15 Marks
2.
  - a. Citing relevant examples, distinguish between dynamic and static muscular job activities at workplace 10 marks
  - b. From toxicological perspective, the severity of injury after exposure to a chemical hazard may be influenced by the interaction of the chemicals after exposure. Discuss the possible outcomes when such scenarios arise at work place 15 Marks
3. The World Health Organization /International Labour Organization WHO/ILO has provided Eight (8) common workplace health issues of global concern. Two among them are Cancer and Musculo-skeletal Disorders (MSDs). Explain how each of the two conditions influence work and how the employer can support those affected 25 Marks
4. The Conference of Parties (COP) 28 was held in Dubai in November- December 2023. Discuss the major resolutions that were passed towards mitigation of climate change. 25 marks
5. Explain the various health associated benefits that result from the improvement of water supply for a community 25 marks
6. Geomedicine is a branch of medicine dealing with effects of geography on disease. Part of the geography are the soils in specific areas. Citing relevant examples, explain how various soils impact on human Health 25 marks