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**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATIONS 2021/2022**

**SEMESTER 1 EXAMINATIONS FOR THE DEGREE OF MASTER OF IN PUBLIC HEALTH**  
**PPH 3109: ADVANCED OCCUPATIONAL AND ENVIRONMENTAL HEALTH**

**DATE: JULY/AUGUST 2022**

**TIME: 3 HOURS**

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

1.
  - a. Understanding types of accidents at a workplace consists in determining the potential hazards through job safety analysis. Briefly explain the basic steps taken in performance of Job Safety Analysis at workplace. 10 marks
  - b. Using relevant examples, explain the four main classes of hazards expected in a typical workplace 15 marks
  
2. Occupational hygiene is defined as the discipline of **anticipating, recognizing, evaluating** and **controlling** health hazards in the working environment with the objective of protecting workers health and well-being and safeguarding the community at large. As a safety officer in a workplace, explain to newly inducted workers these key concepts and their application in the workplace 25 marks
  
3. Among the emerging ergonomic related concerns at workplace is workplace violence. Poor job allocation is one of the leading causes of conflicts between management and workers in workplaces eventually leads to workplace violence. Discuss the benefits of effective work allocation and the factors to consider in this process. 25 marks
  
4. World health organization estimates that 15% of the global population is affected by a form of disability. Explain the considerations the International Sanitary Regulations have made in addressing sanitation for those with special needs 25 marks

5. One of Big Four Agendas in Kenya captures housing affordability and associated policies. Discuss citing relevant examples how housing environment impacts on the health of individuals in a population. 25 marks

6. The primary objective of a food control system is to regulate the food supply industry and enforce food laws. As one entrusted with food safety in a county, explain various food hygiene and safety principles that you must enforce to ensure safe food in food industry in your jurisdiction 25 marks