



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF MEDICAL SCIENCES**  
**DEPARTMENT OF REHABILITATION MEDICINE**  
**BACHELOR OF SCIENCE IN PHYSIOTHERAPY**

**END OF TRIMESTER EXAMINATIONS JANUARY TO APRIL 2025**

**UNIT CODE: PHT 432**

**UNIT NAME: OCCUPATIONAL HEALTH**

**DATE: 9th APRIL 2025**

**TIME: 9am-11am**

**INSTRUCTIONS**

1. All students will have two (2) hours to complete the examination
2. This is an online exam, Attempt all questions as per the instruction
3. It is the student's responsibility to report any page and number missing in this paper.
4. Check that the paper is complete
5. Total number of pages is 4 including the cover.
6. Read through the paper quickly before you start.
7. Upon finishing the exam paper, on submission, the message 'Your examination has been submitted' will appear.

Section A. Multiple choice question. Answer all the question

1. The following are the landmark legislations passed by the U.S congress except

- a) Industrial hygiene and safety act, 1948.
- b) The Metal and Non-metallic Mines Safety Act of 1966.
- c) The Federal Coal Mine Safety and Health Act of 1969.
- d) The Occupational Safety and Health Act of 1970 (OSH Act).

2. In the history of occupational safety and health, who is among the following is remembered for his first designing of face mask

- a) Galen
- b) Hippocrates
- c) Pliny
- d) Agricola

3. Which of the following is not an example of acute radiation exposure

- a) Nuclear explosion
- b) Handling highly radioactive sources
- c) High medical sources
- d) Natural background radiation

4. The effects of chemical hazards include the following except

- a) Pneumoconiosis
- b) Concentration
- c) Teratogenicity
- d) Systemic intoxication

5. Biological Hazards cannot be transmitted to the body through

- a) Ingestion
- b) Inhalation
- c) Injection
- d) Radiation

6. The common work practices that involve handling of biological agents include all except

- a) Surgery
- b) Autopsy
- c) Laboratory specimen
- d) Radiation

7. Reducing psychosocial stress does not depend on

- a) Industrial action by workers
- b) Vocational guidance
- c) Good management
- d) Managing shift and work hours

8. Example of environmental risk factor to occupational diseases is

- a) Age
- b) Supervision at workplace
- c) Wearing of Personal Protective Equipment
- d) Job category

9. Employees play a big role in their behaviour thus contributing to risk factors to occupational diseases in the listed ways except

- a) Chat chewing
- b) Alcohol use
- c) Sleeping patterns and disorder
- d) Type of industry

10. Training of workers as a measure of prevention of injuries involve the following except

- a) Early return to work
- b) Back schools
- c) Safe lifting
- d) Strength and fitness

11. Which of the following is a sign and symptom of eye disorder
- a) Black eye
  - b) Red eye
  - c) Double vision
  - d) Eye laceration
12. Physiotherapist role in occupational safety and health include all the listed except
- a) Prevention of musculoskeletal disorders
  - b) Prevent work loss productivity by reducing sick leave absence
  - c) Treating musculoskeletal disorders
  - d) Sensitization of staff on their rights at workplace
13. Occupational health and safety training was first introduced in Kenya in
- a) 1948
  - b) 1989
  - c) 2007
  - d) 1988
14. The following is not a physical job demand
- a) Heavy
  - b) Sedentary
  - c) Frequently
  - d) Medium
15. The essential components of PEFA include all except
- a) Job dictionary
  - b) Informed consent
  - c) Medical history questionnaire
  - d) Musculoskeletal screening

SECTION B: ANSWER ALL THE QUESTIONS 20 MARKS

1. Who are the most vulnerable groups at risk in various workplaces. (5 Marks)
2. Describe five types of physical hazards. (5 Marks)
3. Outline six industries with high number of workers exposed to noise. ( 5 Marks)
4. Outline different types of biological hazards and different modes of entry into the human body. (5 Marks)

SECTION C: LONG ESSAY QUESTIONS. ANSWER ALL QUESTION (20 MARKS).

1. Discuss different ways of minimising health effects of ionising radiation. (10 Marks)
2. Discuss the role of different stakeholders in the implementation of OSH National Policy. (10 Marks)

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