



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCE
DEPARTMENT OF REHABILITATION MEDICINE
BACHELOR OF SCIENCE IN PHYSIOTHERAPY
END OF SEPT-DECEMBER 2025 TRIMESTER EXAMINATIONS**

UNIT CODE: PHT 432

UNIT NAME: Occupational Health (Main exam)

DATE:

TIME: TWO HOURS

START: STOP :

INSTRUCTIONS (physical exams)

- 1. Do not write on this question paper**

(Marks and questions distribution as per program curriculum.)

INSTRUCTIONS (Online examinations)

1. This exam is marked out of 70 marks
2. This Examination comprises 3 Sections
3. This online exam shall take 2 Hours
4. Late submission of the answers will not be accepted
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for 5 min or more will lead to lock out from the exam
8. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
10. In case you have any questions call the invigilator for this exam on Tel. 0705833434 and or the Head of Department on Tel 0720491032
11. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: MULTIPLE CHOICE QUESTIONS (30 MARKS)

1. Functional capacity evaluation components include all but
 - a) Interview
 - b) Musculoskeletal screen
 - c) Fitness testing
 - d) controls
2. The most effective control of hazard is
 - a) engineering
 - b) administrative
 - c) elimination
 - d) PPE
3. physical job demands include all the listed except,
 - a) light
 - b) heavy
 - c) constantly
 - d) very heavy
4. which of the following does not describe PEFA essential components
 - a) informed consent
 - b) medical history questionnaire
 - c) musculoskeletal screen
 - d) physical demand
5. The following are laws governing safety except
 - a) ILO
 - b) British factories Act
 - c) OSH Act 2007
 - d) Constitution, 2010
6. The OSH Act, 2007 include other relevant roles except one
 - a) The act also establishes the National Council for Occupational Safety and Health
 - b) The act applies to all people lawfully present at workplaces
 - c) The act also covers the duties of self-employed people and employees
 - d) industrial strikes and unrest
7. The most commonly affected/injured body parts include all except
 - a) eyes

- b) hands
 - c) fingers
 - d) knees
8. The highest rate of injuries occur on
- a) Sunday
 - b) Tuesday
 - c) Monday
 - d) Friday
9. The highest rate of absenteeism is normally on
- a) Monday
 - b) Friday
 - c) Tuesday
 - d) Wednesday
10. The most common time of injury is
- a) 7am to 8 am
 - b) 8am to 10am
 - c) 9am to 11am
 - d) mid day
11. which of the following is not an environmental risk factor
- a) Type of industry
 - b) Health and safety training
 - c) Hours worked per week
 - d) salary
12. which of the following is not a sign of a serious eye injury
- a) black eye
 - b) Loss of all or part of the visual field of an eye
 - c) Sharp stabbing or deep throbbing pain
 - d) Double vision
13. Training of trade union representatives involves the following except one
- a) Early return to work
 - b) Flexible work rules
 - c) Reasonable referrals
 - d) Limited bed rest
14. Training of health care workers include all except
- a) Appropriate medication
 - b) Prudent use of x-rays
 - c) Limited bed rest
 - d) flexible work rules
15. OSH Kenya started in
- a) 1989
 - b) 2009
 - c) 2007
 - d) 1988
16. 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
17. Reducing psychosocial stress does not depend on
- a) Industrial action by workers
 - b) Vocational guidance
 - c) Good management
 - d) Managing shift and work hours
18. 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
19. The following are the scope of Occupational Health and Safety except.
- a) Anticipation and recognition of workers health problems in an industrial atmosphere
 - b) Evaluation of the recognized problem
 - c) Environmental considerations
 - d) Development of corrective actions
20. The elements of work environment include all the listed except
- a) Occupational safety and health
 - b) The tool
 - c) The worker
 - d) The work environment
21. Which of the following is not classified as the vulnerable group
- a) Worshippers
 - b) Women
 - c) Children
 - d) Migrants
22. The following are types of interaction in a work environment except
- a) Man and physical, chemical and biological environment
 - b) Man and machine
 - c) Man and his psychosocial environment

- d) Man and the political status
23. Psychosocial environment include, except
- a) Fumes and dust
 - b) Job satisfaction
 - c) Motivation and incentives
 - d) Security
24. Example of chemical agents is
- a) Vibration
 - b) Electricity
 - c) Radiation
 - d) Gases
25. Biological agents include the following except
- a) Insects
 - b) Dust
 - c) Micro-organisms
 - d) Rodents
26. The father of industrial medicine was
- a) Plinny
 - b) B. Ramazzini
 - c) Ellenborg
 - d) Pott
27. The British parliament passed the chimney sweepers act in
- a) 1833
 - b) 1812
 - c) 1788
 - d) 1780
28. Which physician correctly described the pathology of lead poisoning
- a) Hippocrates
 - b) Pliny
 - c) Galen
 - d) Agricola
29. Which of the following scientist first advised workers on use of face mask
- a) Agricola
 - b) Ramazzini
 - c) Pliny
 - d) Galen
30. Risks involved while man interacts with machines include all except
- a) High productivity
 - b) Awkward postures
 - c) Protruding parts
 - d) Fatigue

SECTION B (20 Marks) : Short answers section (answer all questions)

1. Explain four types of safety culture(5 Marks)
2. What are the risk factors associated with manual handling(5Marks)
3. Explain different controls in OSH (5Marks)
4. Explain various vulnerable groups (5 Marks)

SECTION C (20 Marks): Long answers Answer only one question

- 1)Discuss the role of different stakeholders in the implementation of OSH(20 Marks)
- 2)Discuss the different aspects of workplace safety regulations(20 Marks)
- 3)Discuss risk assessment in manual handling and the steps to follow including corrective action(20 Marks)

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