



(University of Choice)

**MASINDEMULIROUNIVERSITY OF
SCIENCE AND TECHNOLOGY**

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

THIRD YEAR FIRST TRIMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE IN HEALTH PROFESSIONS EDUCATION

COURSE CODE: HPE 301

COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY

DATE: Thursday 22nd April, 2021

TIME: 8:00 Am- 12:00 Noon

INSTRUCTIONS TO CANDIDATES

- a. All questions are compulsory
 - b. Read additional instructions under each subsection
 - c. Enter all answers in the answer booklet provided
- Write the university registration number on each piece of paper used
TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 4 Printed Pages. Please Turn Over

Section A: Multiple Choice Questions

20 Marks

1. Illness prevention can be achieved through
 - a) Employee education
 - b) Assessment of company history
 - c) Good construction of machines
 - d) Adequate administrative support
2. Hazards of ionizing radiations include
 - a) Conjunctivitis and keratitis
 - b) Malformations and sterility
 - c) Leukemia and keratitis
 - d) Cancer and malnutrition
3. Primary prevention of occupational hazards can be realized through
 - a) Preventing recurrence of acute conditions
 - b) Emergence response
 - c) Health education
 - d) Treatment of existing conditions
4. Carpal tunnel syndrome results from
 - a) Chemical hazards
 - b) Psychological hazards
 - c) Biological hazards
 - d) Mechanical hazards
5. Violence at work place can be prevented by
 - a) Employee education on safety procedures
 - b) Adequate administrative support
 - c) Restructuring work environment
 - d) Adequate rest when dealing with machines
6. Biological occupational hazards include
 - a) Carbon monoxide and cyanide
 - b) Brucellosis and Lead
 - c) Hookworm and Bilharzias
 - d) Silicosis and Bilharzias
7. The following are effects of poor illumination
 - a) Eye strain and eye fatigue
 - b) Nausea and vomiting
 - c) Chronic headache
 - d) Headache and tearing
8. The following hazards are associated with cold
 - a) Immersion foot and fatigue
 - b) Erythrocyanosis and eye pain
 - c) Lacrimation and frost bite

- d) Frostbite and erythrocytosis
9. Local effects of chemical hazards include
- a) Silicosis and poisoning
 - b) Lung cancer and allergy
 - c) Laryngitis and conjunctivitis
 - d) Dermatitis and eczema
10. Direct effects of heat to workers are
- a) Risk of accident and fatigue
 - b) Heat cramp and hot spot
 - c) Burns and heat stroke
 - d) Fatigue and burns
11. WCPT encourages member organization to do the following
- a) Ensure health facilities are not designed in line with safety regulations
 - b) Ensure all health agencies are included within provision of occupational health and safety
 - c) All of the above
 - d) None of the above
12. Physical therapist practice in a variety of environments except
- a) Nursing homes
 - b) Occupational health centers
 - c) Outpatient clinics
 - d) Classrooms
13. Physical training personnel have access to the following
- a) Protective measures
 - b) Protective equipments
 - c) Health education
 - d) All of the above
14. An environment that involves geological and atmospheric structure of an area is
- a) Chemical
 - b) Biological
 - c) physical
 - d) Psychosocial
15. Dissemination of relevant information include
- a) List of occupational disease recommendation
 - b) Emerging and existing hazards in the practice
 - c) All of the above
 - d) None of the above
16. The following is psychological effect of noise
- a) Depression
 - b) Fatigue

- c) Headache
 - d) Insomnia
17. Importance of physical therapist awareness is
- a) Understand their rights at the place of work
 - b) Have no obligation to protection
 - c) Have no administrative support
 - d) Protective and safety education is not important
18. Byssinosis is a biological hazards caused by
- a) Cotton
 - b) Dust
 - c) Silk
 - d) Asbestos
19. The following are means of maintaining a safe and healthy environment
- a) Responding to individual physical or emotional emergencies
 - b) Provision of immediate first aid
 - c) Advocacy of adequate employee health insurance
 - d) Identification of exposures to hazards
20. Workers in the slaughterhouse are exposed the following
- a) Fungal infection
 - b) Bilharzia
 - c) Siderosis
 - d) Brucellosis

SECTION B: ANSWER ALL QUESTIONS 40 MARKS

1. Areas where occupation medicine promote health of workers (4marks)
2. According to Charles Thurner Thackrah, concepts of industrial is based on; (5 marks)
3. State responsibilities of health care provider in occupational health safety (10marks)
4. State methods that may be used to deal with hazards (9marks)
5. List multidisplinary areas touching on occupational health and safety (6marks)
6. State vulnerable groups in occupation health and safety (6 marks)

SECTION C: ANSWER ALL QUESTIONS 40 MARKS

7. WCPT advocates for the development of occupational health and safety legislation covering
 - b. physical therapists in their practice environment and mechanisms for physical therapists to
 - c. participate in the monitoring/elimination of any hazards associated with their professional

- d. Practice. Discuss how WCPT encourage organizational members.(20marks)
- e. 2. Discuss the management of health hazards in the hospital setup (20marks)

