



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

SCHOOL OF NURSING, MIDWIFERY AND PARAMEDICAL SCIENCES

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

FOURTH YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF SCIENCE IN OCCUPATIONAL SAFETY AND
HEALTH**

COURSE CODE: NCO 425:

COURSE TITLE: OCCUPATIONAL HEALTH SERVICES

DATE: 8TH APRIL 2024 TIME: 11.30 AM – 2.30 PM

INSTRUCTIONS TO CANDIDATES

All Questions Are Compulsory

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 5 Printed Pages. Please Turn Over. ►

KEY

Section A: MULTIPLE CHOICE QUESTIONS MCQ (20 MARKS)

1. The following best describes what provision of occupational health services means, EXCEPT?
 - A. Protecting and promoting workers' safety, health and well-being
 - B. Improving working conditions
 - C. Improving company shares
 - D. Improving working environment
2. Occupational health specializes in promotion and maintenance of highest degree of _____ wellbeing of workers in all occupations
 - A. Physical, environmental and psychological
 - B. Physical, clinical and biological
 - C. Physical, mental and social
 - D. Physical, mental and psychological
3. Which of the following best describes what occupational healthcare encompasses?
 - A. Preventive healthcare, curative healthcare and first aid.
 - B. Preventive healthcare, health promotion and curative, first aid.
 - C. Preventive healthcare and first aid.
 - D. Preventive healthcare and curative, first aid only.
4. Occupational hygiene is defined as:
 - A. The art and science of protecting workplace
 - B. The art and science of protecting workers health through control of work environment
 - C. The art and science of assessing workers health
 - D. The art and science of measuring workplace performance
5. The history of occupational health shows that during industrial revolution medical practitioners fought against?
 - A. Long working hours under unhealthy condition for slaves.
 - B. Long working hours under unhealthy condition for men and women
 - C. Long working hours under unhealthy condition for women and children
 - D. Long working hours under unhealthy condition for women and girls.
6. In Kenya the designated national competent authority for ensuring occupational health is?
 - A. Radiation protection board (RPB)
 - B. Environment Management Authority (EMA)
 - C. Directorate of occupational safety and health services (DOSHS)
 - D. Poison control products board (PCPB).
7. Which of the following statements is true about provision of occupational health services?

- A. It is the primary responsibility of employees to provide Occupational health services at enterprise level.
 - B. It is the primary responsibility of employers to provide occupational health services at the enterprise level.
 - C. It is the primary responsibility of government to provide Occupational health services at the enterprise level.
 - D. It is the primary responsibility of community to provide Occupational health services at enterprise level.
8. Which of the following is the main activity undertaken during surveillance of working environment?
- A. Medical examination of employees
 - B. Walkthrough survey of the workplace
 - C. Safety and health committee meeting at the workplace
 - D. Safety and health audit of the workplace
9. Following any surveillance, information obtained about potential workplace health hazards should be?
- A. Communicated to the government to implement control measures.
 - B. Communicated to employer and exposed workers for implementing control measures.
 - C. Communicating to the safety and health committee for implementing control measures.
 - D. Communicating to health consultants for implementing control measures.
10. During assessment of health risk, all the following steps are followed except?
- A. Identification of occupational health hazards.
 - B. Identification of workers and groups of workers exposed to specific hazards.
 - C. Termination of workers exposed to the identified occupational hazards.
 - D. Evaluation of available hazard prevention and control measures.
11. An employee has been seriously injured following an occupational accident/ disease. What occupational services will you recommend immediately?
- A. Diagnosis, treatment, first aid, rehabilitation
 - B. First aid, diagnosis, treatment, rehabilitation
 - C. First aid, treatment, diagnosis, rehabilitation
 - D. Rehabilitation, first aid, diagnosis, treatment
12. After ergonomic survey employers can be advised on adaptation of work to workers by all of the following except?
- A. Reducing physical workload for ageing workers.
 - B. Providing special equipment for workers with sensory impairment/ locomotion
 - C. Fitting work practices to the anthropometric dimension of the workers
 - D. Carrying out lung function test to establish occupational disease.
13. Rehabilitation of injured workers aim at ____ of the injured employee

- A. Early completion of medication
 - B. Early return to work
 - C. Early first aid services
 - D. Early retirement
14. Functions of occupational health services include_____ programs for personnel of the enterprise.
- A. Information, engineering and technology
 - B. Information, education and training
 - C. Education, catering and counseling
 - D. Training, transferring and promotion
15. Which of the following is not true about data and records on workers' health?
- A. Files should hold information on jobs held by the workers
 - B. Personal data on health assessment can be communicated to others without informed consent of the workers concerned.
 - C. Files should hold information on exposure to occupational hazards involved in their work
 - D. Files should hold information on results of any assessment of exposure to the hazard
16. One disadvantage of group or inter-enterprise model of providing occupational health services (OHS) is?
- A. Shared OHS units allow them to offer broader range of services
 - B. Shared OHS units allow them to offer in-plant services
 - C. Shared OHS units allow them to offer one professional service only
 - D. Shared units increase the distance between the work site and the OHS
17. Which OHS model will you advise several small scale enterprises operating in distant rural town of Kenya to select?
- A. Hospital outpatient clinics
 - B. Private health Centre
 - C. Primary health care unit
 - D. Industry oriented model
18. Selecting a model for occupational health and services is determined by all of the following except?
- A. Industry specific risk
 - B. Law/ regulatory requirement
 - C. Community engagement
 - D. Labour management contract
19. Which of the following will be a properly constituted OHS team to offer OHS services to an enterprise?
- A. Occupational physician, accountant, director
 - B. Occupational physician, industrial hygienist, safety officer

- C. Director, manager, sales officer
- D. Industrial hygienist, security officer, safety officer.

20. When participating in survey in OHS, _____ is considered key to success of the survey.
- A. Confidentiality and ambiguity
 - B. Confidentiality and fitness
 - C. Confidentiality and anonymity
 - D. Confidentiality and expertise

Section B: SHORT ANSWER QUESTIONS, SAQs (40 marks)

1. Explain any eight areas which should be included in occupational healthcare programs to enhance occupational health for working women.(8 marks)
2. Explain four areas where reproductive hazards induced by workplace exposure have been widely recognized.(8 marks)
3. Describe the role of first aid services and emergency preparedness in the function of occupational health and service. (8 marks)
4. Explain any eight external services/institutions which should have close relation with an enterprise for successful functioning of occupational health and services in the enterprise.(8 marks)
5. (a) What do you understand by 'model of occupational health service'? (2 marks)
(b) Describe any three models of occupational health and services.(6 marks)

Section C: LONG ANSWER QUESTIONS, LAQs (40 m)

- 1) You are the safety officer of a big manufacturing enterprise in Nairobi industrial area. The company is organizing to carry out a health and safety survey of its workplace activities by collecting vital information from workers to assist make better policy decisions on improving occupational health services. You have been asked to talk to the workers and prepare them for effectively participating in the survey. Explain ten key issues which you will emphasize to guide them in participating in the survey successfully. (20 marks)
- 2) Describe at least five ways in which primary health care approach can be used to deliver occupational health services to the working population? (20 marks)

