



(University of Choice)

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

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

SECOND YEAR SECOND TRIMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF SCIENCE IN NURSING/GLOBAL HEALTH**

COURSE CODE: NCN 321

COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY

DATE: Wednesday 20th April, 2022

TIME: 8.00a.m. – 11.00am.

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in this paper.

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 4 Printed Pages. Please Turn Over. ►

SECTION ONE: MULTIPLE CHOICE QUESTIONS (20 MARKS)

1. The nurse doing a walk-through to identify workplace hazards is providing which level of prevention?
 - A. Primary
 - B. Secondary
 - C. Tertiary
 - D. Higher
2. Which is the best method an occupational health nurse can use when assessing workplace hazards?
 - A. Walk through survey
 - B. Anticipating hazards
 - C. Interviewing workers
 - D. Interviewing management
3. In the epidemiologic triad, an example of a host factor would be:
 - A. Temperature extremes and crowding
 - B. Workplace stress
 - C. Workers family
 - D. Workplace safety signs
4. A worker who has a health reaction to "safe" low-level exposures is experiencing:
 - A. Hypo susceptibility
 - B. Hyper susceptibility
 - C. Allergies
 - D. Immune suppression
5. The occupational health nurse recognizes that biological agents could mean exposure to:
 - A. Lead paints
 - B. Slippery floors
 - C. Viruses, bacteria and parasites
 - D. Dangerous machines that could cut body parts
6. Occupational Safety and Health Act of 1970
 - A. states that workers must have a safe and healthful work environment
 - B. helps to ensure workers' rights
 - C. insists that workers are compensated for their illnesses and injuries
 - D. is a government act that was put in place to license employers
7. The following is the meaning of a strike
 - a. A mass refusal to work
 - b. Working slowly without pay
 - c. Causing commotion at the place of work
 - d. A response of employees to grievances
8. The most common form of employee compensation is:
 - a. Accident encountered during employment
 - b. Salaries, wages and overtime
 - c. Study fees reimbursement
 - d. Per diems when own money is used for work assignments
9. Employers are responsible for the health and safety of:
 - a. Presently employed workers
 - b. Present and former employees who fall ill as a result of an employment hazard
 - c. The management staff while trade unions take care of the other employees
 - d. The most vulnerable employees such as pregnant women or disabled employees
10. When employees are found in a physical fight at the place of work, the following should be done:

- a. Management should suspend them on the basis of being safety hazards to themselves and other employees
 - b. Facts should be established before any action is taken
 - c. They should be dismissed instantly as that is gross misconduct
 - d. Other colleagues should separate them and take them to management
11. In fire emergency preparedness the employers should ensure that:
- a. Each office has a glass door for exit in an event that there is a fire
 - b. The store man is trained to handle firefighting equipment
 - c. Each employee is supplied with fire protection clothing
 - d. An assembly point is established where an account of the employees can be done in case of a fire in the building
12. Potter's rot is another name for
- a. Lung cancers of people in the mining industry
 - b. Silicosis
 - c. Asbestosis
 - d. Scrotal cancer from chimney smoke
13. The summary of the ILO definition for Occupational Health and Safety ensures:
- a. The adaptation of work to man and of each man to his job
 - b. A physical spiritual psychological and mental wellbeing of the workers
 - c. Each man place in a safe free from injury environment
 - d. An environment that is safe for the worker, his family, the neighborhood and visitors coming to the place of work
14. Work related injury Incidence rates are used to:
- a. Compile an accurate injury record of workers
 - b. Compare injuries from firm to firm
 - c. An organization improve its safety measures to reduce the particular injury
 - d. Help an organization plan in advance to deal with the expected number of lost working days as a result of the injuries
15. The systematic collection of data in order to detect, control and prevent health problems is:
- a. Disease surveillance
 - b. Epidemiologic surveillance
 - c. A statutory requirement for each employer
 - d. Biomonitoring
16. The action to take when one finds a smoke filled office is do all the following except:
- a. Open the door so that the smoke can escape to save the office occupants from choking
 - b. Alert people in the area
 - c. Activate the fire alarm
 - d. Remain available to answer questions from the police
17. One of the functions of an industrial hygienist is to:
- a. Ensure that hygiene and sanitation of the factory is at its best
 - b. Evaluate workplace injuries
 - c. Offer advice on the prevention and control of workplace hazards
 - d. Offer stress counseling to workers deployed in heavy machinery rooms
18. Unplanned events at the workplace that often result in injuries are:
- a. Workplace hazards
 - b. Workplace accidents

- c. Those events that are compensated as they result in lost man hours
 - d. Hazards that must be prevented
19. Ozone depletion is attributed to the use and disposal of chemicals containing:
- a. Carbon and oxygen
 - b. Sulphur and Methane
 - c. Nitrogen and Hydrogen
 - d. Chlorine and Bromine
20. Toxicology is the study of:
- a. How chemicals affect people in their work environments
 - b. The detection of poisons of chemicals on living organisms and their treatment.
 - c. The accumulation of various toxins in various body organs.
 - d. The complex signs and symptoms of toxins.

SHORT ANSWER QUESTIONS**40 MARKS**

1. Describe two actions you would take if there is a dangerous situation at work (8 Marks)
2. Explain any four obligations of an employer (8 Marks)
3. Describe any four rights of an employee (8 Marks)
4. Describe four reasons why a nurse would conduct a walk-through at the work site? (8Marks)
5. Discuss any four primary roles of an Industrial Hygienist (8 marks)

LONG ANSWER QUESTIONS**(40 MARKS)**

1. Discuss what a workplace disaster plan entails and the steps to prepare it (20 Marks)
2. The occupational safety and health nurse does a walk through survey and recognizes workers exposed to psychological hazards at the workplace. Discuss any four roles the nurse will assume while assisting the workers (20 Marks)