



*(University of Choice)*

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

**SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES**

**MAIN CAMPUS**

**THIRD YEAR SECOND SEMESTEE EXAMS  
2022/2023 ACADEMIC YEAR**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN GLOBAL  
HEALTH AND TRAVEL MEDICINE**

**COURSE CODE: NCG 321**

**COURSE TITLE: DISASTER RE MANAGEMENT AND SUSTAINABLE  
DEVELOPMENT**

**DATE: WEDNESDAY 12<sup>TH</sup> APRIL, 2023 TIME: 11.30AM - 2.30PM**

---

**INSTRUCTIONS TO CANDIDATES**

**ALL QUESTIONS IN THE THREE SECTIONS (A, B AND C) ARE COMPULSORY  
DURATION: 3 HOURS**

**MMUST OBSERVES ZERO TOLERANCE TO EXAMINATION CHEATING**

**SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs); 20 MARKS**

1. Select the correct statement about Risk
  - A.  $\text{Exposure} = \text{Vulnerability} + \text{Hazard} + \text{Risk}$
  - B.  $\text{Risk} = \text{Hazard} \times \text{Exposure} \times \text{Vulnerability}$
  - C.  $\text{Risk} + \text{Risk} - \text{Exposure} - \text{Vulnerability}$
  - D.  $\text{Exposure} - \text{Vulnerability} - \text{Hazard} = \text{Risk}$
2. Which is the correct steps of risk management process
  - A. Identify, analyze, prioritize, Treat and monitor the risk
  - B. Treat, Identify, analyze, prioritize and monitor the risk
  - C. Analyze, prioritize, Treat Identify and monitor the risk
  - D. Prioritize, Identify, analyze, Treat and monitor the risk
3. Common terminologies in disaster response :
  - A. Cause confusions to all
  - B. Makes response efforts complex.
  - C. Are universal and creates common understanding of terms.
  - D. None from above
4. Disaster Plan:
  - A. Provide guidelines to the organization and stakeholders.
  - B. Provide limited information.
  - C. It is more complicated than this simple categorization.
  - D. None of the above
5. Levels of risk reduction; arrange the levels in the risk hierarchy of control measures are in order of decreasing effectiveness. Pick one.
  - A. Personal protective equipment, Administrative controls, Engineering controls, Substitution, Elimination.
  - B. Administrative controls, Engineering controls, Substitution, Elimination, Personal protective equipment
  - C. Elimination, Administrative controls, Engineering controls, Substitution, Personal protective equipment.
  - D. Elimination, Substitution, Engineering controls, Administrative controls, Personal protective equipment.
6. \_\_\_\_\_ is not in disaster management cycle:
  - A. Prevention
  - B. Preparedness
  - C. Response
  - D. Recording
7. Which of the following is not within disaster response?
  - A. Warning.
  - B. Construction.
  - C. Search
  - D. Documentation
8. Incident Command System?
  - A. Can control a few people.
  - B. Defines roles and responsibilities under one command structure.
  - C. Only used by military and police.
  - D. It is ineffective system.

9. List of line ministries, departments, sections, people, agencies, organization and volunteers?
  - A. Defines the whole people.
  - B. Means all inclusive team.
  - C. Defines multi-agency stakeholders.
  - D. Defines disaster list.
10. Incident Management is by:
  - A. Only a experts
  - B. Everyone.
  - C. Crisis
  - D. Objectives.
11. Which is the best sequence:
  - A. Incident Handing over, Incident down-sizing, Incident closure, Incident development.
  - B. Incident Down-sizing, Incident handing over, Incident development, Incident Closure.
  - C. Incident Down-sizing, Incident handing over, Incident development, Incident Closure.
  - D. Incident development, Incident down-sizing, Incident Handing Over, Incident Closure.
12. Who is entitled to do press briefing at an incident?
  - A. Just everyone who comes across cameras.
  - B. Every member of the public.
  - C. Incident Commander, Public information Officer or any other officer authorized by the Incident Commander.
  - D. Only people good voice.
13. What is the best way of management and mobilization of incident resources in disaster response?
  - A. By everyone nearby.
  - B. Crisis.
  - C. By Objectives.
  - D. By anyone with resources.
14. Which statement is correct about Steps of Scene size-up includes:
  - A. Number of patient involved/ Standard precautions
  - B. Mechanism of Injury/ Nature of illness
  - C. Resource Determination/ Scene Safety
  - D. All above
15. Which of the following zones is threat to safety and health:
  - A. Hot zone
  - B. Warm zone
  - C. Cold zone
  - D. All Zones
16. Which one is the correct goals in life?
  - A. Financial goals

- B. Career goals
  - C. Family goals
  - D. All of the above
17. Which one is the correct formula on identifying goals and priorities?
- A. Choose your values, Analyze your values, interests and skills, set realistic goals and do some research.
  - B. Analyze your values, Choose your values, interests and skills, set realistic goals and do some research
  - C. Do some research, Analyze your values, Choose your values, interests and skills, set realistic goals
  - D. All of the above.
18. What is sustainable development?
- A. Is consideration to life style
  - B. Is economic way of thinking and doing
  - C. Development that meets the needs of present, without compromising the ability of future generations to meet their own needs.
  - D. All of the above
19. \_\_\_\_\_; all countries should meet their basic needs of employment, food, energy, water, and sanitation. Everybody is rightful to a healthy, safe, and clean environment. This can be easily achieved by reducing pollution, poverty and unemployment.
- A. Importance disaster
  - B. Importance of sustainable development
  - C. Importance development
  - D. All of the above
20. Before arriving at the scene of incident what should you ensure that?
- A. All vehicles are parked well.
  - B. You have communicated to know the type of incident and to have the correct personal protective equipment for specific hazard.
  - C. You brief everyone along the route and at the entrance.
  - D. Protect People everywhere and use loud speakers to alert them.

**SECTION B: SHORT ANSWER QUESTIONS (SAQS); 40 MARKS**

**Answer all the questions**

1. List ten activities during disaster response (10 Marks)
2. Describe and briefly explain any five United Nations sustainable development goals (10 Marks)
3. Identify any Ten Stakeholders and their responsibilities in disaster response (20 Marks)

**SECTION C: LONG ANSWER QUESTIONS (LAQS); 40 MARKS**

**Answer all the questions**

1. You have been called to respond to fire disaster incident (20 marks)
  - a) What is your first consideration? (1 Mark)
  - b) Whom will report to? (1Mark)
  - c) Which tool will you use in managing the incident? (1 Mark)
  - d) Expound on any seven incident facilities (7 Marks)
  - e) Who will be your key stakeholders; state any ten (10 Marks)
  
2. Assume that you are the Chief Executive Officer of your organization; one of your functions is leading your staff in developing and strengthening disaster plan which enhances disaster management and sustainable development. In point form; summarize at least twenty strong points that you will consider in the plan (20 Marks).

