



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

**UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR**

**SECOND YEAR SECOND TRIMESTER EXAMINATIONS**

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

**COURSE CODE: NCG 226**

**COURSE TITLE: INTERDISCIPLINARY PERSPECTIVE ON GLOBAL HEALTH  
AND DISEASES**

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**DATE: FRIDAY 14<sup>TH</sup> APRIL, 2023**

**TIME: 11.30AM TO 2.30 PM**

**INSTRUCTIONS TO CANDIDATES**

**ALL QUESTIONS ARE COMPULSORY**

**TIME: 3 HOURS**

MMUST observes ZERO tolerance to examination cheating



## SECTION 1: MULTIPLE CHOICE QUESTIONS (20 marks)

1. Health transition refers to;
  - a. The improvements in causes of death and disease in the world
  - b. The shifts that have taken place in the patterns and causes of death in many countries
  - c. The changes in morbidities across the world
  - d. The shifts that have taken place in the patterns and causes of morbidities in the world
2. Health transition can be looked at in these forms
  - a. Demographic transition
  - b. Epidemiologic transition
  - c. a and b
  - d. none of the above
3. Which of the following is NOT an NCD?
  - a. Alcohol and substance abuse
  - b. Malaria
  - c. Neoplasms
  - d. Asthma
4. A DALY stands for;
  - a. Disability adjusted life year
  - b. Disability in all life years
  - c. Diseases adjusting life year
  - d. Diseases in all life years
5. One DALY represents the loss of one year of life lived in full health
  - a. True
  - b. False
6. YLL stands for;
  - a. The number of sick years of life a person loses as a consequence of dying early because of the disease
  - b. The number of years of life a person loses as a consequence of dying early because of the disease
  - c. The number of years of gained by a person as a consequence of living without disease
  - d. None of the above
7. Which of the following is NOT one of the top causes of disability and early death globally?
  - a. Lower respiratory infections
  - b. Diarrheal diseases
  - c. Early marriages
  - d. Natural disasters
8. Which of the following newborn survival interventions is NOT properly matched?
  - a. pre-term birth ....Kangaroo mother care
  - b. birth complications.....Obstetric care
  - c. neonatal infections – cord hygiene
  - d. Pre-term birth – oral rehydration salts
9. Calculate the BMI for a person with a weight of 72kg and 1.63m in height
  - a. 72
  - b. 27
  - c. 27.34
  - d. 44.2
10. Classify the body mass index you calculated above
  - a. Underweight

- b. Overweight
  - c. Normal
  - d. Obese
11. Which among these is associated with poor nutrition in people living with HIV/AIDS?
- a. Impaired immune system
  - b. Increased loss of nutrients
  - c. Weight loss and muscle wasting
  - d. All of the above
12. What Is an Interdisciplinary Teamwork?
- a. Interdisciplinary teams are an approach to healthcare that integrates multiple disciplines through collaboration.
  - b. These teams can help ensure that patients receive the best care and improve how medical facilities function.
  - c. a and b
  - d. none of the above
13. Which of these is a strategy for use in interdisciplinary teamwork?
- a. Conflict resolution
  - b. sharing finances
  - c. Resource mobilization
  - d. Cash transfers
14. What are some of the things that we can do to maintain confidentiality in individual's health matters e.g during research?
- a. Store client data safely and appropriately
  - b. Do not discuss client information with any unauthorized person
  - c. Identify potential confidentiality problems and solutions before the study begins
  - d. all of the above
15. Which of the following determinants of health can be associated with alcohol and tobacco use and abuse?
- a. Poor sanitation
  - b. Malnutrition
  - c. Exposure to mass media
  - d. Political stability
16. Which of the following statements is correct regarding the causes of death globally?
- a. Communicable diseases are the leading cause of death only in developing countries.
  - b. Non-communicable diseases are the leading cause of death in low-income the leading cause of death in high income countries.
  - c. Non-communicable diseases are the leading cause of death in low, middle, and high-income countries.
  - d. Communicable diseases are the leading cause of death in low, middle, and high income countries.
17. According to recent global health data by the World Health Organization (WHO), which of the following caused the highest mortality rate?
- a. Non-Communicable diseases
  - b. Communicable diseases
  - c. Injuries
  - d. Infections

18. Which of these is Not considered vulnerable Research Participants
- adolescent children
  - the elderly
  - those with limited education
  - Farmers
19. Developing countries like in Africa have the highest burden of maternal and neonatal deaths, which of the three delays in seeking care have contributed to this?
- Recognition and decision to seek care
  - Getting transport to care
  - Receiving quality care
  - All of the above
20. The following strategies can be applied to improve inter-sector collaboration except;
- Communication
  - Negotiation
  - Respect for group dynamics
  - Duplication

**SECTION B: SHORT ANSWER QUESTIONS (SAQ). (40 MARKS)**

1. Explain 3 principles of ethics in health (6mks)
2. Highlight the strategies that can be used to improve interdisciplinary team work (6mks)
3. Explain the different ways in which health transition can be looked at (6mks)
4. Explain the terms UHC, health promotion (6mks)
5. How does technology influence health? (6mks)
6. Describe the relationship between Nutrition and HIV/AIDs (4mks)
7. Identify the strategies available to strengthen food access and availability among households as a way of fighting morbidities and mortalities (6mks)

**SECTION C: LONG ANSWER QUESTIONS (LAQ). (40 MARKS)**

1. Identify and discuss the advantages of interdisciplinary teams in healthcare (20mks)
2. As a health officer in your home county, you have been assigned the role of leading a research team to identify what could be causing high rates of morbidities caused by non-communicable diseases recently. Discuss the process you would undertake for this exercise (20mks)



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**MAIN CAMPUS: MAIN EXAM**

**UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR**

**MAIN EXAM TRIMESTER EXAMINATIONS  
(DIRECT CLASS)**

**FOR THE DEGREE  
OF  
BSCI. MEDICAL SOCIAL WORK**

**COURSE CODE: NMS 222**

**COURSE TITLE: ETHICS, QUALITY & EQUALITY**

**DATE: FRIDAY, 14<sup>TH</sup> APRIL, 2023 TIME: 8AM-11AM**

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**INSTRUCTIONS TO CANDIDATES**

Answer all question in this examination paper in the answer booklet provided.

TIME: 3 Hours



## **SECTION 1: SHORT ANSWER QUESTIONS (EACH ONE MARK)**

Define the following

1. Determinants of health
2. Human rights
3. Brain drains
4. Human dignity
5. Equity
6. Ethics
7. Equality
8. Human riht
9. Quality
10. Empowerment
11. Efficient
12. Volunteer
13. Health worker
14. Health
15. Health care
16. Patient centered care
17. Health education
18. Global health
19. Partnership
20. Innovation

## **SECTION 11(EACH EIGHT MARKS) ANSWER ANY FIVE QUESTIONS**

1. From the point of view of health, state ways we can describe equity
2. Briefly describe ethics to consider in donating Equipment
  - a. State causes of Brain Drain
  - b. How can we support local health profession to eliminate brain drain
3. What is the role of the non-profit/NGO in the partnership relationship?
4. Discuss Ethics and Major Determinants of Health
5. Describe ethical, quality volunteering
6. How do you ensure high-quality medical care

## **SECTION 111 (LONG ESSAY QUESTIONS (EACH 20 MARKS))**

1. Discuss ways of eliminating patient barriers to care (20 marks)
2. Discuss volunteering in health organizations and what should be considered in ethical and quality volunteering (20 marks)

