



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF MEDICAL SCIENCE  
DEPARTMENT OF REHABILITATION MEDICINE  
BACHELOR OF SCIENCE IN PHYSIOTHERAPY  
END OF SEPT-DECEMBER 2024 TRIMESTER EXAMINATIONS**

**UNIT CODE: PHT 233**

**UNIT NAME: Disability and Development  
(Main Paper)**

**DATE: Wednesday/ 4th/December**

**TIME: TWO HOURS**

**START: 6pm**

**STOP : 8.30pm**

**INSTRUCTIONS (physical exams)**

- 1. Do not write on this question paper**

(Marks and questions distribution as per program curriculum.)

**INSTRUCTIONS (Online examinations)**

1. This exam is marked out of 70 marks
2. This Examination comprises 3 Sections
3. This online exam shall take 2 Hours
4. Late submission of the answers will not be accepted
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for 5 min or more will lead to lock out from the exam
8. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
10. In case you have any questions call the invigilator for this exam on Tel. 0705833434 and or the Head of Department on Tel 0720491032
11. For adverse incidences please write an email to: [amiu.examinations@amref.ac.ke](mailto:amiu.examinations@amref.ac.ke)

**SECTION A. MULTIPLE CHOICE QUESTIONS. ANSWER ALL THE QUESTIONS  
(30 MARKS)**

- 1) What's the most common type of disability worldwide?
  - a) Hearing impairment
  - b) Visual impairment
  - c) Mobility impairment
  - d) Cognitive impairment
  
- 2) The international classification of function and disability and health is provided by which organization?
  - a) Centre for disease and Prevention (CDC)
  - b) United Nations (UN)
  - c) World Health Organization (WHO)
  - d) American Medical Association (AHA)
  
- 3) Which of the following is an example of an assistive device?
  - a) Braille display
  - b) Wheel chair
  - c) Hearing Aid
  - d) White cane
  
- 4) Cognitive rehabilitation is most useful for patients with impairments due to?
  - a) Muscular dystrophy
  - b) Arthritis
  - c) Brain injuries
  - d) Spinal cord injuries
  
- 5) Which of the following is considered a psychosocial aspect of disability?
  - a) Pressure sores
  - b) Muscle weakness
  - c) Loss of limb
  - d) Depression
  
- 6) Which professional typically helps patients regain the skills needed for daily living?
  - A) Speech therapist
  - b) Physical therapist
  - c) Occupational therapist
  - d) Respiratory therapist
  
- 7) The social model of disability emphasizes?
  - a) Disability is a conditioned to be cured

- b) Disability is a personal tragedy
  - c) Disability is a primarily a medical condition
  - d) Society's barrier create disability
- 8) Which of the following is considered a congenital disability?
- a) Down syndrome
  - b) Stroke
  - c) Multiple sclerosis
  - d) Spinal cord Injury
- 9) Which of the following is a barrier to rehabilitation in developing countries?
- a) Cost of healthcare
  - b) Cultural attitudes
  - c) Access to assistive device
  - d) All of the above
- 10) The term neuroplasticity refers to?
- a) The brains ability to recover from injury
  - b) Flexibility of the nervous system
  - c) The brains ability to form new connections
  - d) Muscle atrophy after brain Injury
- 11) Which type of disability is addressed by audiologist?
- a) Hearing impairment
  - b) Cognitive impairment
  - c) Mobility impairment
  - d) Visual impairment
- 12) What type of disability is multiple sclerosis
- a) Musculoskeletal
  - b) Neurological
  - c) Cardiovascular
  - d) Sensory
- 13) Which term describes the loss of a body part usually limb?
- a) Contracture
  - b) Paralysis
  - c) Amputation
  - d) Atrophy
- 14) Which of the following disabilities typically involve progressive muscle degeneration?
- a) Cerebral palsy
  - b) Muscular dystrophy

- c) Multiple sclerosis
  - d) Parkinsonism disease
- 15) Which of the following interventions is considered an environmental adaption for individuals with disabilities?
- a) Hearing aids
  - b) Crutches
  - c) Accessible ramps
  - d) Prosthetics
- 16) The traumatic brain injury commonly affects which of the following functions?
- a) Immune response
  - b) Liver function
  - c) Cognitive abilities
  - d) Cardiovascular function
- 17) The term spasticity refers to?
- a) Muscle weakness
  - b) Loss of sensation
  - c) Joint stiffness
  - d) Involuntary muscle contraction
- 18) Which of the following is a common psychological issue faced by individuals with chronic disability?
- a) Diabetes
  - b) Cardiomyopathy
  - c) Hypertension
  - d) Anxiety
- 19) Which model of disability viewed disability as a deficiency of residing in a person's body or mind?
- a) Social model
  - b) Medical model
  - c) Human right model
  - d) None of the above
- 20) Which models aims to reduce the barriers and buildings accessible environment?
- a) Social model
  - b) Medical model
  - c) Human right model
  - d) None of them
- 21) Physical barriers include?
- a) No ramps along with stairs
  - b) Lack of elevators in most public spaces

- c) Lack of tactile path
  - d) All of the above
- 22) According to WHO, which of the following describes disability?
- a) Any loss or abnormality of psychological, physiological or anatomical structure or function
  - b) Any restrictions or lack of ability to perform an activity in the manner or within range for a human being
  - c) The result when an individual with an impairment cannot fulfill a normal life role
  - d) None of the above
- 23) Human rights model of disability
- a) Focuses on the inherent dignity of a human being
  - b) States that the problem is in discrimination (discriminating against PWD)
  - c) Recognizes the responsibility of the state to tackle socially created obstacles in order to ensure full respect for the dignity and equal rights for all the person
  - d) All of the above
- 24) Women who are disabled frequently experience a double disadvantage because of?
- a) Increased social connection
  - b) Better economic opportunities
  - c) Discrimination based on gender and disability
  - d) Higher rates pf educational achievement
- 25) What approach did the Sustainable development goals (SDGs) and the Millennium Development Goals (MDG) take to the problem of poverty?
- a) The MDG set unrealistic poverty reduction targets while SDG have more specific and achievable goals
  - b) The MDG goals mainly dealt with poverty in Africa, while SDGs focus was on global poverty
  - c) These MDGs prioritized economic growth as a strategy for poverty reduction while the SDGs focused on eradication of poverty through multidimensional strategies
  - d) Both focused solely on income poverty
- 26) What is the best way to use CBR matrix?
- a) To guide the development and implementation of community based rehabilitation programs
  - b) To assess individual needs for rehabilitation
  - c) To establish funding needs for rehabilitation services
  - d) To establish funding priorities for disability services

- 27) People with disability face several obstacles in their pursuit of political representation and involvement. Which of the following describes a barrier to getting involved in politics?
- a) Assistive devices barriers
  - b) Information barriers services
  - c) Environmental barriers
  - d) Infrastructure barrier services
- 28) What are some of the barriers in the environmental domain?
- a) Cultural beliefs
  - b) Family members
  - c) Government services
  - d) All of the above
- 29) The ministry of health Kenya, has categorized disability into six domains with physical disabilities being one of them. The physical disabilities are further grouped into three categories. Which of the following is NOT a category of the physical disability domain?
- a) Musculoskeletal disability
  - b) Neurological disability
  - c) Maxillofacial disability
  - d) Other physical conditions
- 30) The Disability Act establishes the National Development Fund for Persons with Disability. The funds are utilized to the following except?
- a) Fund for allowances for persons with disabilities and caregivers who have no source of income
  - b) Funds are used for procurement of assistive devices
  - c) Funds are used to lobby for and advocate for disability initiative and programs
  - d) Funds are used as capital expenses for organization of persons with disability

**SECTION B. ANSWER ALL THE QUESTIONS (20 MARKS)**

- 1) Explain the biopsychosocial model? ( 3 marks)
- 2) Discuss the health component of the Community Based Rehabilitation Matrix? (5 marks)
- 3) Discuss ways in which women with disability might experience ‘ double disadvantage’ (4 marks)

- 4) Outline functions of the National Council of Persons with Disability? ( 4 marks)
- 5) Explain how Social determinants of Health link with poverty and disability? ( 4 marks)

**SECTION C. ANSWER ALL THE QUESTIONS (20 Marks)**

1. Analyze the impact of disability on women in rural and urban settings. (4 marks)
2. What is disability mainstreaming, and why is it important for inclusive development? (4 marks)
3. Discuss the relevance of the Millennium Development Goals (MDGs) and Vision 2030 for persons with disabilities. (4 marks)
4. What are the guidelines for disability categorization as per the Government of Kenya's Ministry of Health? (4 marks)
5. Examine the role of NGOs, UN bodies, and national councils in supporting persons with disabilities. (4 marks)