



(UNIVERSITY OF CHOICE)

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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

FIRST YEAR, FIRST TRIMESTER EXAMINATIONS

FOR THE DEGREE

OF

**BS HPE, BSC PHYSIOTHERAPY AND BSC CLINICAL
MEDICINE AND COMMUNITY HEALTH**

COURSE CODE: HPE 100/ PCM 113

**COURSE TITLE: CRITICAL THINKING AND
INTELLECTUAL SKILLS**

DATE: MONDAY 25TH JANUARY 2021 TIME 8:00-11:00AM

INSTRUCTIONS TO CANDIDATES

ANSWER ALL QUESTIONS

SEC A: MULTIPLE CHOICE QUESTIONS (MCQ) 20 MARKS

SEC B: SHORT ANSWER QUESTIONS (SAQ) (40 MARKS)

SEC C : LONG ANSWER QUESTIONS (LAQ) (40 MARKS)

TIME: 3 HOURS



MMUST observes ZERO tolerance to examination cheating

SECTION A: MULTIPLE CHOICE QUESTIONS (20marks)

1. A critical thinker will
 - A. Utilize Teaching and learning methods
 - B. Design learning outcomes and teaching approaches
 - C. Explain how to teach
 - D. Understand teaching
2. The characteristics of a critical thinker are
 - A. Solves problems
 - B. Provide a solution
 - C. Making arguments
 - D. Examines and attempts a problem
3. Deductive thinking means?
 - A. Proceeds from specific to general
 - B. Proceeds from solution to concept
 - C. Proceeds from general to specific
 - D. Proceeds from Concept to general
4. Deductive thinking proceeds from
 - A. concepts to application
 - B. general to concept principles
 - C. deductive reasoning to deductive thinking
 - D. general to general principles
5. The following involve critical thinking **except**
 - A. Expressing oneself in a logical way
 - B. Using thinking skills
 - C. Guidance from tutors
 - D. Reflection
6. Critical thinking involves students in doing things and thinking about
 - A. Certifications
 - B. Things they are doing
 - C. Principles
 - D. Procedures
7. Critical thinkers are by nature
 - A. Reflective
 - B. Relay on emotion
 - C. Ignore evidence
 - D. Skeptical
8. While learning, Health professionals learn to apply
 - A. Knowledge acquired
 - B. Surface approaches
 - C. Strategic approaches

D. Deep approaches

9. Reflective teaching allows students
 - A. To do observation over some time
 - B. To Improve in learning
 - C. To change an approach in learning and working
 - D. To be critical thinkers
10. Training prepares one to
 - A. Perform procedures as required
 - B. Learning of skills
 - C. Focus on a job description
 - D. Acquire competence
11. Solving problems involves integrating previously learned
 - A. Information
 - B. Knowledge
 - C. Principles
 - D. Problems
12. One of the following is a an appropriate response to the statement “An environment that is conducive to learning may cultivate”
 - A. Good students
 - B. Critical thinking
 - C. Reflective practitioners
 - D. Good teaching
13. One of the following describes critical thinking
 - A. Where all learning opportunities are provided
 - B. A reflective thought involving students learning how to learn
 - C. The presence of teaching –learning strategy
 - D. Presence of teachers in a classroom
14. A suitable response for Reflection is:
 - E. To think critically
 - F. To focus on what, why, how, who and when
 - G. An ability to think about ones thinking
 - H. Using thinking skills
15. A suitable learning environment is
 - a. Where all learning opportunities are provided
 - b. Where the presence of teaching –learning materials
 - c. Where teaching is conducted
 - d. The presence of teachers in a classroom
16. One of the following is achieved when we teach students to develop useable knowledge base
 - a. Apply content oriented approaches
 - b. Learn meaningfully
 - c. Pay attention to the learning process
 - d. Using teacher-centred approach

17. Inductive thinking involves reasoning from
 - A. Proceeds from specific to general
 - B. Proceeds from solution to concept
 - C. Proceeds from general to specific
 - D. Proceeds from Concept to general
18. Attributes may be
 - A. Generalized
 - B. Concepts
 - C. Criterion-related
 - D. A set of specific events
19. The following statements explain about concepts except
 - A. Helps in understanding relationship between objects
 - B. Differentiate various things
 - C. Helps us to generalize about events, things and processes
 - D. Helps in explaining and predicting control phenomena
20. For students to be deep processors, emphasis should be on
 - A. Styles of learning
 - B. Receive clear information from the teacher
 - C. Identify and solve unstructured problems
 - D. Attending all lessons

SECTION B: SHORT ANSWER QUESTIONS (40 MARKS)

1. Explain the following terms
 - a. Reflection (3marks)
 - b. Reasoning (3marks)
 - c. Intellectual abilities (3marks)
 - d. Critical reading (3marks)
2. Explain four characteristics of a critical thinker (8 marks)
3. Compare deep processor and deep processor (10 marks)
4. Explain the importance of formal stage by Jean Piaget theory on intellectual (10 marks)

SECTION C: LONG ANSWER QUESTIONS (40 marks)

1. Critical reading is a key process in studying . Explain a technique that used in critical reading (20 marks)
2. Effective learning environment determines the quality of graduates from institutions of higher learning. Explain at least four (4) characteristics of a conducive learning environment (20 marks)