



(University of Choice)

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

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2017/2018 ACADEMIC YEAR**

**FIRST YEAR, SECOND TRIMESTER EXAMINATIONS**

**FOR THE DEGREE**

**OF**

**BACHELOR OF SCIENCE IN OPTOMETRY AND VISION  
SCIENCES**

**COURSE CODE: BOY 110**

**COURSE TITLE: LEARNING STRATEGIES FOR OPTOMETRY**

**DATE: Thursday 26<sup>th</sup> July 2018**

**TIME: 2:00- 4:00 PM**

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**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**

**This Paper Consists of 5 Printed Pages. Please Turn Over.**



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

1. Which is a factor that is influencing modern teaching and learning
  - A. Research on the brain
  - B. Research on learning
  - C. Globalisation
  - D. All the above
  
2. How we learn can be explained using learning theories which is not a theory
  - A. Behaviorist
  - B. Metacognitive
  - C. Cognitive
  - D. Humanistic
  
3. During teaching and learning a student acquires all of the following except
  - A. Attitude
  - B. Skills
  - C. Knowledge
  - D. Status
  
4. What determines students understanding?
  - A. Number of lecturers, age, gender
  - B. Conceptions of teaching and learning strategies
  - C. The number of students, conceptions of teaching and learning
  - D. Teachers attitudes, age, teaching context
  
5. An effective teacher
  - A. Imparts knowledge to students
  - B. Facilitates learning
  - C. Covers the content
  - D. Shares personal experiences
  
6. Learning is an evolutionary process. Meaning it requires?
  - A. Skills
  - B. Space
  - C. Time
  - D. Teachers

7. Quadruple strength learning involves
  - A. Doing, practicing, reading reviewing
  - B. Seeing, saying, hearing, writing
  - C. Looking, viewing, practicing
  - D. Understanding, practicing, writing, hearing
  
8. An appropriate approach to teach knowledge is by
  - A. Facilitation of understanding
  - B. Teaching the content and the process
  - C. Defining concepts
  - D. Emphasizing main points in the notes
  
9. To facilitate memory retention in learning, it is advisable to encourage the following except
  - A. Encourage active interaction
  - B. Use multiple contexts
  - C. Encourage practice
  - D. Encourage cramming
  
10. Instructional strategies may broadly be classified as
  - A. Verbal and modeling
  - B. Direct and interactive
  - C. Interactive and facilitative
  - D. Dialogue and facilitative
  
11. Examples of characteristics of a learner are
  - A. Practical
  - B. Inquisitive
  - C. Flexible
  - D. All the above
  
12. How does negative reinforcement differ from punishment
  - A. Punishment involves administering a positive consequence
  - B. Punishment reduces the probability of an undesired behaviour
  - C. Negative enforcement increases the probability of an undesired behaviour
  - D. Negative reinforcement entails continuing a negative consequence when a desired behaviour occurs

13. A learning set-up that involves simulations?
- A. Bed site
  - B. Classroom
  - C. Hospital
  - D. Skills laboratory
14. Feedback should be encouraged because it
- A. Leads to more learning
  - B. Time consuming
  - C. May lead to criticism
  - D. Demotivating
15. The use of innovative teaching methods encourages
- A. Lifelong learning
  - B. Surface processing
  - C. Rote learning
  - D. Surface and deep processors
16. According to humanistic approach, learning is motivated by needs. Which is not a higher need
- A. Self esteem
  - B. Creativity
  - C. Food
  - D. Achievement
17. For goals to be effective they need to be
- A. Creative
  - B. Rushed
  - C. Measurable
  - D. Discriminatory
18. The use of simulated patients in teaching clinical skills
- A. Controlling the complexity of the learning situation
  - B. Act as a bridge between theory and clinical skills
  - C. Providing learning guidance
  - D. Demonstrating clinical skills
19. A lesson plan ensures
- A. Connects sections of content
  - B. Coverage of the goals and objectives
  - C. May lead to independent learning
  - D. All the above

20. What statement best gives an example of what a formative assessment is
- A. End of period examinations
  - B. Continuous class question
  - C. Entrance examinations
  - D. Board examinations

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

1. Explain the following (6 marks)
  - a. Contiguity Principle
  - b. A negative reinforcement
  - c. Positive reinforcement
2. Outline the 5 keys to effective feedback (10 marks)
3. Contrast between intrinsic motivation and extrinsic motivation ( 4 marks)
4. What are learning objectives and give 2 reasons of their importance in teaching  
(6 marks)
5. What are instructional strategies? Explain 5 factors that may determine which method/strategy is to used (10 marks)
6. Name 4 instructional strategies/ teaching methods (4 marks)

**SECTION C: LONG ANSWER QUESTIONS (40 marks)**

1. You have been appointed to head the committee designing optometry lecture halls. Describe the 5 aspects would you identify as the foundation of these environments? Discuss the principles that would guide to foster the halls to be conducive environments for teaching and learning. (20 marks)
2. In order to improve outcomes in their education, a university student needs to use student centered approaches. These approaches require the learner to cultivate skills in reading and listening. Describe what a student centered approach is and discuss the skills in reading, the process of effective listening and in each skill give an example/method that may be used. (20 Marks)

