



MASINDE MULIRO UNIVERSITY OF

SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND TRIMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE IN HEALTH PROFESSIONS EDUCATION

COURSE CODE: HPE 214

COURSE TITLE: INNOVATIVE TEACHING AND LEARNING

DATE: FRIDAY 22ND APRIL 2022

TIME: 8:00-11:00 AM

INSTRUCTIONS TO CANDIDATES

- a. All questions are compulsory
- b. Read additional instructions under each subsection
- c. Enter all answers in the answer booklet provided
- d. Write the university registration number on each piece of paper used

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 7 Printed Pages. Please Turn Over

SECTION A: MULTIPLE CHOICE QUESTIONS 20 MARKS

1. In developing a curriculum for health professionals, teacher/centred approach entails;
 - a) The students are the specialists and so have a right to make it
 - b) The content focuses on what should not be covered
 - c) It is not ordered from pre-clinical to clinical subjects
 - d) Subject specialists normally formulate the content to be covered in the training program
2. The developments in medical education;
 - a) Global reforms involve shifting the educational paradigms to innovative approaches
 - b) Medical education does not reflect major shifts in educational paradigms
 - c) Educational strategies do not promote student centered and self centered learning
 - d) The shift limits acquisition of knowledge to inculcating attitudes and attributes appropriate to the future responsibilities
3. The current trend is to consider the views and characteristics of stakeholders. These include the following groups of people except;
 - a) The community
 - b) The government
 - c) Teacher and students
 - d) The business community
4. Information and communication technology is growing at a fast rate in education and training. This has facilitated innovative learning through;
 - a) Student centred learning
 - b) Traditional method of teaching
 - c) Teacher centred learning
 - d) Apprenticeship
5. A number of factors influence the process of curriculum development for health workers. Which one is not?

- a) Economic factors
 - b) Social factors
 - c) Students factors
 - d) Political factors
6. Competence based or task based approach in teaching and learning;
- a) The knowledge skills and attitudes that are needed are not learnt as identified
 - b) It ensures that the acquisition of knowledge skills and attitudes needed to perform professional functions and responsibilities is achieved.
 - c) The measure of assessment needed is not relevant
 - d) The importance of this approach is that the student acquire limited information
7. Learner centred approach/ innovative approach has the following prerequisite for the curriculum development; Which one is not?
- a) Learner population
 - b) Learning theory and methods
 - c) Learner supportive services
 - d) The curriculum does not apply in such a situation
8. A role is defined as;
- a) What health workers are expected to do today
 - b) Is to issue certificates to graduates
 - c) Provide education to community members
 - d) The future position or title which the graduate will assume following completion of the prescribed training
9. A medical educator may be expected to teach medical students to;
- a) Not to develop health learning materials
 - b) Provide health care services to different clients or patients
 - c) Should not design and develop a curriculum

- d) Teaching students of health profession has limited value to medical profession
10. When preparing a job description the following must be carried out
- a) The description of the optimal responsibility is irrelevant
 - b) Analysing the actual responsibilities is done at the end of the period
 - c) Revising the initial description on the basis of discrepancies between optimal and actual responsibilities
 - d) Analysing the actual responsibilities is done in initial planning
11. Competence based learning is;
- a) Innovative approach of teaching and learning
 - b) It a traditional teaching method
 - c) Hospital based
 - d) It is uniform oriented
12. Innovative approach is becoming increasingly popular and whose main characteristics is the transfer of responsibility for learning from teacher to learner. The following are applicable except;
- a) Community based education and service
 - b) Computer assisted learning
 - c) Problem based learning
 - d) Teacher centered learning
13. The application of innovative learning methods and experience in small group tutorials require the teacher to apply the following;
- a) Facilitating the learner to learn only
 - b) Advising the learner on irrelevant issues
 - c) Guiding the learner to make appropriate decisions
 - d) Informing the learners of irrelevant facts and processes
14. In traditional teaching system there is a tendency to distinguish teachers' role from students role. The students' roles are;

- a) Curriculum evaluator
- b) Lecturer
- c) Learner
- d) Guide/Facilitator

15 Practical work is a situation where students learn in their future working areas. It is also referred to as clinical training. The following are advantages of this process.

- a) It is not economical way of using teaching staff and other resources
- b) It provides an opportunity for detailed discussion of the students' work
- c) It takes time to carry out practical work
- d) A lot of resources e.g. transport expenses and accommodation may be required

16. A lecture is a lesson given orally by a teacher with virtually no student participation. The following is a disadvantage of applying this method.

- a) It provides an economical way of using staff time
- b) It provides a wider field of knowledge in a short time
- c) It can save a students' time by summarizing a field of study
- d) It pays little regard to individual differences of students

17. The process of task analysis of looking critically at each function of a health professional and breaking into specific components. These are;

- a) Identification of a task or function
- b) Deciding on sources of information or data for task analysis
- c) Compiling the task analysis profile for each job
- d) All the above options are correct.

18. The psychomotor domain is concerned with the skill and performance. It is equally important in innovative learning This category include?

- a) Receiving
- b) Fine coordinated movements
- c) Responding

d) Organization

19. Curriculum change is process of altering the existing document to improve its quality. The reasons change are;

- a) Technical changes and demands
- b) When the current curriculum meets the requirements of learners
- c) When ne trends are not emerging.
- d) When there is enough resources

20. Flip charts and cards are affordable and easy to prepare. When labeling remember to;

- a) Use thick felt pens
- b) Use same colour for emphasis
- c) Write too much
- d) All the writings should be in upper case

SECTION B ANSWER ALL QUESTIONS 40 MARKS

1. List skills applied by the teacher during innovative learning methods. 6 marks
2. State the advantages of field study as indicated in innovative teaching and learning 6 marks
3. Explain the difference between traditional teaching methods and innovative teaching methods. 8 marks
4. Explain the role of a teacher in innovative teaching and learning 6 marks
5. List the disadvantages of lecture methods 7 marks
6. Outline the advantages of simulation in teaching and learning 7 marks

SECTION C ANSWER C ANSWER ALL QUESTIONS

1. Problem based learning is a learning approach in which students take a patient's problem and research as a stimulus for learning. Explain 20 marks
2. Discuss how the following methods are applied in innovative teaching and learning: Demonstrations, Small group tutorials and self directed learning. 20 marks