



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
MSC. HEALTH PROFESSIONS EDUCATION
END OF TRIMESTER EXAMINATION AUGUST 2022**

UNIT CODE: HPE 722

**UNIT NAME: EDUCATIONAL STRATEGIES AND ASSESSMENT IN HEALTH
PROFESSIONS EDUCATION**

DATE: TUESDAY 2ND AUGUST 2022

TIME: THREE HOURS START: 6:00PM FINISH: 9:00PM

Instructions

- 1) This paper has seven (7) long answer questions
- 2) Answer any five (5) questions of your choice
- 3) Each question carries 20 marks
- 4) Use the University examination booklets provided
- 5) It is not necessary to write the questions in the booklet.

Question 1

Discuss the link between the revised **Blooms Taxonomy** and the **Millers Pyramid** in constructing valid and reliable assessment tools for health profession's learners. (20 marks)

Question 2

Multiple Choice Questions (MCQs) are making their way back to the arena of medical student assessment.

- a). Discuss three types of MCQs. (9 marks)
- b). Critique each type. (9 marks)
- c). Justify the domains that are assessed by MCQs. (2 marks)

Question 3

Using the following sub topics, discuss how tests can be used to enhance learning.

- a) Robustness and replicability (4 marks)
- b) Generalisability (4 marks)
- c) Theoretical mechanisms (4 marks)
- d) Implementing test enhanced learning in medical education (8 marks)

Question 4

- a) Explain what you understand by the term Item difficulty (easiness index) (4 marks).
- b) Assuming in a test given to a class of 40 students, eight students scored question one correctly. Calculate the item difficulty and interpret your findings. (4 Marks).
- c) Explain the term discriminant index as used in MCQs. (4 Marks).
- d) You have a class of 40 students. You have 20 students on each side of the dividing line. Suppose twelve (12) students in the high scoring group answered the questions correctly, and only four in the lower scoring group responded correctly. Determine the discriminant index. Explain your findings. (4 marks).

Question 5

Discuss standard-setting in Health Professions Education under the following topics;

- a) Scores versus standards (2 marks)
- b) Assessment purposes and stakes (2 marks)
- c) Framework for guiding the standard-setting process (16 marks)

Question 6

Validity is the alpha and omega in student assessment. Explain five validities and delineate how it impacts students' assessment. (20 marks)

Question 7

Discuss the indications and weaknesses of the following assessment tools

- a) Objective structured clinical examination -OSLER (5 marks)
- b) Min- CEx (5 marks)
- c) Modified Essay Question-MEQ (5 marks)
- d) Objective Structured Clinical Examination (5 marks)