

**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCE, ARTS& AGED**

**EPS 3300 EDUCATIONAL MEASUREMENT AND EVALUATION**

**INSTRUCTIONS:** Answer **Q1** and any other **Two** Questions

**Q1a)** c). Discuss four (4) types of validity giving concrete examples from the classroom  
8 marks

Q1b) Name 3 emergencies that can emerge during examination and briefly describe how to deal with each  
6 mrks

Q1c) e). There are main different types of tests. Explain briefly

(i) Criterion- referenced tests 2 marks

(ii) Standardizes tests 2 marks

(iii) Placements tests 2 marks

Q1d) Competency Based assessment (CBAs) are important component of teaching and learning. Discuss 3 benefits of CBAs  
6 Marks

Q1e) What are 3 basic principles for constructing a multiple choice test items  
4 mrks

Q2.a). Moderation is a very important component of test construction and administration. What are six (6) important items that are checked carefully during moderation to ensure all questions are valid and reliable 12 Marks

b).Discuss four (4) characteristics of a good evaluation tests 8Marks

Q3.Muriithi gave his students a Geography test; they scored the following marks out of 100

43, 47 60, 62, 48, 70 65, 56, 62, 57

- (i) Calculate the mean , median and range of the scores 9 Marks
- (ii) What is the standard deviation of the scores 6 Marks

How would you as a teacher use the information in (i), (ii) above and any other that you may deem necessary to assess your learner’s performance? 5 marks

Q4.a) Prepare a table of specification for a test in one of your teaching subject 12 marks

Q4b) You were asked by your HoD to induct new teachers on purpose of evaluation in our educational institutions. Give 4 purpose of evaluation you will present. 8 marks.

Q5 Q5. The table below shows marks scored by form students in Geography and History in Continuous assessment test given in March

	STUDENTS	GEOGRAPHY SCORE	HISTORY SCORE
1	Kalembe	57	75
2	Muthengi	63	58
3	Mutisya	72	69
4	Musyoka	91	80
5	Kasioka	55	60
6	Mutembei	38	40
7	Musau	91	90
8	Maingi	80	75
9	Mueni	91	69
10	Mutua	43	39

- a). Compute spearman rank correlation co-efficiency. 15 Marks
- b). Comment on the relationship between maths score and Physics score 5 mrk