



# KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF

DOCTOR OF PHILOSOPHY

EMP 926: COMPREHENSIVE EXAMINATION

DATE: Thursday, 1<sup>st</sup> December 2016

TIME: 9.00 a.m. - 12.00 p.m.

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## INSTRUCTIONS:

1. Use different answer booklets for each of the questions attempted.
2. Indicate your area of specialization on top of each answer booklet used.
3. Questions 1, 2 and 5 are Compulsory.
4. In your area of specialization, answer questions 3 and 4.

## SECTION ONE - RESEARCH AND STATISTICS (20 MARKS)

- Q1. (a) A researcher conducted an independent measures design experiment in a secondary school, investigating whether receiving a handshake from the head-teacher increases students rating on friendliness. The experiment took place between 7am and 9am on a Wednesday, as students entered their classroom after the morning assembly. Some students were greeted by the head teacher, whereas others were not. Inside the classroom, all students were asked how friendly they thought the head teacher was on a scale of 1 ('not very friendly') to 10 ('extremely friendly').
- (i) Explain the independent variable and dependent variable in this study. (1 Mark)
  - (ii) Identify the sampling technique used to obtain participants of this study. (1 Mark)
  - (iii) Suggest one weakness with the sampling method used in this study. (1 Mark)
  - (iv) Describe the 'independent measures design' as used in this study. (2 Marks)

- (v) Give one advantage and one disadvantage of using an independent measures design in this study. (2 Marks)
- (vi) Write an appropriate null hypothesis for this study. (1 Mark)
- (vii) Explain the most appropriate statistical analysis for the hypothesis stated. (2 Marks)
- (viii) Explain the type of scale of measurement used in this study. (1 Mark)

- Q1 (b) Discuss THREE triangulation methods used to enhance validity in qualitative research. (3 Marks)
- Q1 (c) Using appropriate illustration in education, describe a research study that can statistically be resolved using
- (i) Pearson correlation
  - (ii) Analysis of Variance (ANOVA) (6 Marks)

## **SECTION TWO: COMPUTER TECHNOLOGY**

- Q2. Using Tyler's Model of lesson planning, show how to integrate SAMR technology integration model in the lesson plan. (10 Marks)
- (a) Integrate SAMR technology integration model in the Lesson Plan.
  - (b) Using the same Lesson Plan on a separate page use TPACK Model of ICT integration to show how technology can be used in a classroom.

## **SECTION THREE:**

**Answer two questions from your area of specialization.**

### **Curriculum Questions**

- Q3. The Ministry of Education is in the process of reforming the school curriculum. Describe good qualities that the new curriculum design should entail. (10 Marks)
- Q4. Provide the rationale driving the inclusion of the affective curriculum by the curriculum planners in any curriculum. (10 Marks)

### **Educational Administration**

- Q3. Assuming you are the principal of Aburaman secondary school, outline any three measures you will take to
- (a) Source extra funds for your schools activities apart from government subventions.
  - (b) Enhance effective utilization of school funds.
  - (c) Minimize financial malfeasance of school funds.
- Q4. Critically assess the role of the following legal frameworks in relation to governance and management of education in Kenya.
- (i) Basic Education Act of 2013
  - (ii) The Kenya Constitution
  - (iii) Sexual Offences Act

### **Educational Planning**

- Q3. The policy maker and the educational planner are expected to play complementary roles in educational development in any country. Using suitable examples from your country, discuss THREE challenges that characterize the relationship between the two. (10 marks)
- Q4. The Constitution of Kenya (2010) shares Educational responsibilities between the national and county governments. Discuss any four educational planning challenges facing the sector due to this development. (10 Marks)

### **SECTION FOUR: GENERAL EDUCATIONAL QUESTION**

- Q5. In the recent past, Kenya has witnessed unprecedented expansion in higher education. In the line of this discuss the implications of this expansion in relation to:-
- (a) Quality
  - (b) Access
  - (c) Relevance
- (10 Marks)