



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2018/2019

THIRD YEAR, SECOND SEMESTER SPECIAL / SUPPLEMENTARY EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION

EMP 3350: RESEARCH METHODOLOGY

DATE: SEPTEMBER 2019

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions.

QUESTION ONE (30 MARKS)

- a) You are a Third year student and a student leader in Meru Universities of Science and Technology (MUST). The Universities management request your support in carrying out a study on the relationship between gender, height and performance of Meru University students. The background at the problem, the University management is concerned that majority of students discontinued from their programmes poor performance were mainly at a particular gender and one at the administrators notice a significant height for three students who have been discontinued recently. The management wishes to carry out a personalized counselling clinics for the students but budget and time constraints and wishes to focus on a particular group of students. The university has 4000 students distributed almost an equal members 1st to 4th year.
- (i) Describe the nature of this research. (4 Marks)
 - (ii) If you were carrying out the study as part of your course assignment would your answer in (i) above change? Explain (2 Marks)
 - (iii) Suggest a research topic this study. (2 Marks)
 - (iv) Explain the main variables in the study and indicate their measurement scales. (6 Marks)
 - (v) State your main objective and specific objective of this study. (6 Marks)
 - (vi) Describe three limits factors in this study. (6 Marks)
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- b) Research is increasing becoming a common problem solving process, why do you think managers are turning to research methods to solve society problem. (4 Marks)

QUESTION TWO (20 MARKS)

- a) Describe the meaning and application of the following terms in social science research. (12 Marks)
- (i) A variable
 - (ii) A sample
 - (iii) Research Hypothesis
 - (iv) Research design
 - (v) Cross-sectional research design
 - (vi) Quantitative research
- b) Describe the four measurements scales that are used in social science research. (8 Marks)

QUESTION THREE (20 MARKS)

- a) Describe four sampling techniques that can be applied in research. (8 Marks)
- b) You want to carry out a popularity opinion survey for three potential candidates in senatorial-by election in Nyamira County, which has 300 000 potential voters and you have budget and time constraint.

Required

- (i) Which research design would you choose for your study and why. (3 Marks)
- (ii) What sampling method would you apply for this research? Justify your answer. (3 Marks)
- (iii) Which data collections instruments would you use to collect your data. (2 Marks)
- (iv) Describe two statistical measures you would use to summarise the opinion at the voters. (4 Marks)

QUESTION FOUR (20 MARKS)

- a) One of the major components of basic researches is critical literature review.

Required

- (i) Describe the term “critical literature review. (4 Marks)
 - (ii) Describe the main parts of a literature review. (4 Marks)
 - (iii) Describe the four sources of informations for literature review. (6 Marks)
- b) Describe with suitable examples the major differences between basic (Pure) and applied research. (6 Marks)

QUESTION FIVE (20 MARKS)

- a) In your area of study identify a research topic suggest a formal research problem. State the possible objectives and suggest a research hypothesis.
- b) Identify and label the variables in your study and indicate their measurement scale.
- c) Briefly describe two theories that support your study.