JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHEALOR OF ARTS IN SPATIAL PLANNING

SEMESTER 2018/2019 ACADEMIC YEAR

NAMBALE

COURSE CODE: APP 804

COURSE TITLE: RESEARCH METHODOLOGY

EXAM VENUE: **STREAM: SPATIAL PLANNING**

DATE: 22/4/19   **EXAM SESSION: 9.00 – 12.00NOON**

TIME: 3 HOURS

<u>Instructions:</u>

1. Answer question 1 (compulsory) and ANY other 2 questions.
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

Question One (30 Marks)

(a) Before embarking on research, there are two major decisions that have to be made by the researcher. State and explain these two decisions that one has to make. (4 Marks)

(b) Define the following classification of variables:
   (i) Nominal scale (1 Mark)
   (ii) Ordinal or ranking scale (1 Mark)
   (iii) Interval scale (1 Mark)
   (iv) Ratio scale (1 Mark)

(c) The first step in research is the formulation of the research problem. Clearly explain the sources of research problems. (4 Marks)

(d) Differentiate between structured and unstructured research. (2 Marks)

(e) Busia County plans to establish training on fish reservation methods for sustainable and efficient market supply of fish to the residents in the county. Before the rollout of the training, the officials solicit for your services to conduct a survey on whether or not the training will be beneficial.
   (i) Formulate an appropriate title for the survey. (1 Mark)
   (ii) Construct four research questions that will guide your study. (4 Marks)
   (iii) Formulate the objectives of the study, both the general and specifics. (5 Marks)

(f) Collecting data through any of the methods may involve some ethical issues in relation to the participants and the researcher. Discuss the ethical issues concerning research participants.
   (4 Marks)

(g) Discuss what is meant by content analysis. (2 Marks)

Question Two   (20 Marks)

(a) Reviewing literature can be time consuming, daunting and frustrating, but is also rewarding. Discuss its functions to the researcher. (4 Marks)

(b) Carefully discuss the procedure of reviewing literature. (8 Marks)

(c) Discuss both the parametric and non-parametric methods for data analysis indicating when they are utilized.
   (8 Marks)

Question Three   (20 Marks)

(a) Activities are performed in daily life some of which can be classified as research while others are non-research activities. Discuss the circumstances why an activity would be classified as non-research activity. (10 Marks)

(b) Discuss the following methods of primary data collection and indicate their limitations.
   (i) Focused group interviewing. (5 Marks)
   (ii) Intercept interviewing. (5 Marks)

Question Four (20 Marks)

(a) Research can be classified from three perspectives. Give an account of these perspectives.
   (3 Marks)

(b) Clearly outline and discuss the basic considerations in selecting a research problem. (7 Marks)

(c) Describe the functions of hypotheses in a research. (2 Marks)

(d) Outline and discuss the main steps that guide content analysis. (8 Marks)