MAASAI MARA UNIVERSITY

REGUALAR UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER

SCHOOL OF NATURAL RESOURCES, TOURISM AND HOSPITALITY

BACHELOR OF SCIENCE (URBAN AND REGIONAL PLANNING)

COURSE CODE: URP 3106
COURSE TITLE: RESEARCH METHODOLOGY

DATE: 8TH APRIL 2022   TIME: 1100-1300 HRS

INSTRUCTIONS TO CANDIDATES
ATTEMPT ALL QUESTIONS IN SECTION A AND ANY 3 IN SECTION B

Support your answers with relevant examples and illustrations and clearly show your calculations, where relevant.

This paper consists of 3 printed pages. Please turn over

SECTION A   (25 MARKS)
Attempt ALL questions in this section.

1. The Big 4 Agenda identifies affordable housing as one of its 4 development and social transformation milestones. Identify any 4 research areas in housing that would contribute to realization of this development target   (**4 Marks**).
2. Distinguish between;
   i.   Longitudinal study and cross-sectional study, (**1 Mark**)
   ii.   Primary and Secondary data,   (**1 Mark**)
   iii.   Quantitative and Qualitative data,   (**1 Mark**)
   iv.   Treatment and Replication,   (**1 Mark**)
   v.   Sample size and Sampling frame,   (**1 Mark**)
   vi.   Descriptive and Inferential statistics   (**1 Mark**).

3. Explain the meaning of R and R^2 in a linear regression equation
(**3 marks**).

4. State 2 reasons for the relatively low contribution of research to development in Kenya and suggest 2 ways of overcoming the bottlenecks
(**4 Marks**).
5. Explain your understanding of exploratory research and give an example of an urban and regional planning exploratory research
(**4 Marks**).
6. You are proposing a research on suitability of different roofing materials as an adaptation to weather elements. Present a simplified conceptional framework to illustrate relationship between independent and dependent variables you would investigate

(**4 Marks**).

SECTION B (Attempt any THREE questions)

7. You ae writing a research proposal for your thesis to investigate sources and methods of wastewater disposal in Majengo estate, an informal settlement in Narok town.
   i.   Present a detailed statement of the problem and justification of the study   (**6 Marks**)
   ii.   State three (3) possible objectives of this study   (**3 Marks**)
   iii.   Explain the research design you would employ to collect data for this study   (**6 Marks**).
8. Discuss the main probability sampling techniques and give relevant examples where you would employ each technique in research
(**15 Marks**).
9. Using illustrations and examples, explain the differences between completely randomized block design and the randomized block design
(**15 marks**).

10. Discuss the merits and demerits of using questionnaires as a research tool and explain how the shortcomings of this research tool can be addressed
(**15 Marks**).