**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**P.O. Box 972-60200 – Meru-Kenya.**

**Tel: 020-2069349, 061-2309217. 064-30320 Cell phone: +254 712524293, +254 789151411**

**Fax: 064-30321**

**Website:** [**www.must.ac.ke**](http://www.must.ac.ke) **Email:** **info@must.ac.ke**

**University Examinations 2015/2016**

SECOND YEAR, FIRST SEMESTER EXAMINATION FOR DIPLOMA IN AGRICULTURE

**DEV 0200: RESEARCH METHODS**

**DATE: AUGUST, 2016 TIME: 1 ½ HOURS**

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

**QUESTION ONE – (30 MARKS)**

1. Define the following terms:
2. Research design (2 Marks)
3. Sampling (2 Marks)
4. Research instruments (2 Marks)
5. Differentiate between the following terms;
6. Probability and non-probability sampling (4 Marks)
7. Qualitative and quantitative research (4 Marks)
8. True and Quasi experimental research design (4 Marks)
9. Outline the characteristics of a good research. (5 Marks)
10. Outline two advantages of using a questionnaire. (2 Marks)
11. Explain three ethical issues in research . (3 Marks)
12. State the sources of literature review. (2 Marks)

**QUESTION TWO (15 MARKS)**

1. Outline the guideline of developing a good questionnaire. (5 Marks)
2. Outline the main components of chapter three of a research proposal. (10 Marks)

**QUESTION THREE (15 MARKS)**

1. Describe the importance of a research proposal. (7 Marks)
2. Discuss various sources of research problems. (8 Marks)

**QUESTION FOUR (15 MARKS)**

1. Outline the major steps in a research process. (10 Marks)
2. Outline the characteristics of a good research. (5 Marks)