



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

DIRECTORATE OF TVET

SECOND YEAR FIRST TERM EXAMINATION FOR

DIPLOMA OF INFORMATION COMMUNICATION TECHNOLOGY

2920/208: RESEARCH METHODOLOGY

DATE: 29/7/2022

TIME: 8.30-11.30 AM

INSTRUCTIONS

Answer question any **FOUR** questions

Don't write on this question paper

QUESTION ONE

- a) Describe the following concepts in relation to research methodology:
- Intellectual Property;
 - Research Methodology;
 - Research Scope;
 - Research proposal. (8 marks)
- b) Describe **four** advantages of having a good literature review. (8 marks)
- c) Distinguish between primary and secondary data. (4 marks)

QUESTION TWO

- a) When you start to think about your research project, a useful way of remembering the important questions to ask is to think of the five 'Ws': Describe the five Ws'. (10 marks)
- b) Evaluate the various techniques of collecting primary data. (10 marks)

QUESTION THREE

- a) For a process to be called research, it is imperative that it has some characteristics. Critically discuss **five** of these characteristics. (10 marks)
- b) Discuss the main research proposal sections. (10 marks)

QUESTION FOUR

- a) Research can be a long process and take up much of your time. It is important to stay interested in what you're doing if you are to complete your project successfully. Describe five **Considerations while selecting a research problem that will** help to ensure that your study will remain manageable and that you will remain motivated. (10 marks)
- b) Objectives of the research should be SMART. Describe the term SMART as used in formulating research objectives. (10 marks)

QUESTION FIVE

Processing of research data implies Editing, coding, Classification and Tabulation. Describe these operations pointing out the importance of each in the context of research study. (20 marks)