



MACHAKOS UNIVERSITY

University Examinations for 2022/2023

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

SECOND YEAR FIRST TERM EXAMINATION FOR

DIPLOMA OF INFORMATION COMMUNICATION TECHNOLOGY

CODE 2920/208: RESEARCH METHODOLOGY

DATE: 31/3/2023

TIME: 8:30-11:30 AM

Instructions:

Answer any **FOUR** questions

Don't write on this question paper

QUESTION ONE

- a) Define the term *copyright* as used in research. (2 marks)
- b) Describe the significance of research. (6 marks)
- c) For a process to be called research, it is imperative that it has some characteristics. Critically discuss **five** of these characteristics. (10 marks)
- d) Describe the term *Research* in relation to research methodology: (2 marks)

QUESTION TWO

- a) Describe **four** types of Research, describing the purpose of each. (8 marks)
- b) Most students and beginners in research do not fully understand what a research proposal means, nor do they understand its importance. Describe why a research proposal is vital in a research Project. (6 marks)
- c) Describe **three** advantages of having a good literature review. (6 marks)

QUESTION THREE

- a) Describe the practical steps through which you must pass in your research journey in order to find answers to your research questions. (10 marks)
- b) One expects a good scientific research to satisfy a certain criteria: describe these criteria. (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

- a) The Code of Ethics supplies the people who take part in your research with details about what you intend to do with the information they give. Describe the main issues it should cover. (10 marks)
- b) Evaluate the various techniques of collecting primary data. (10 marks)