



THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

FIRST SEMESTER EXAMINATIONS – 2022

CEME511–METHOD OF RESEARCH

MASTER IN SOLID WASTE & RESOURCE MANAGEMENT

Monday 30th May 2022 – 2:00 PM to 4 PM

VENUE: PG CLASS ROOM

TIME ALLOWED: 2 HOURS

INSTRUCTIONS FOR STUDENTS:

- 1. WRITE YOUR NAME AND ID NUMBER CLEARLY ON THE FRONT PAGE OF THE ANSWER SHEET.**
- 2. All answers must be written on the answer booklet provided. No other written material will be accepted.**
- 3. Notes and handouts are not allowed. MOBILE PHONE is not allowed.**
- 4. Maximum Marks: 100.**
- 5. Answer any **FOUR** questions. All questions carry equal marks i.e. 25 marks.**
- 6. Number of pages is 2 including Cover page.**

- Q1)** Briefly describe the different steps involved in a research process.
- Q2)** Distinguish between Research methods and Research methodology.
- Q3)** What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem. Give suitable examples to elucidate your points.
- Q4)** What do you mean by 'Sample Design'? What points should be taken into consideration by a researcher in developing a sample design for this research project.
- Q5)** Explain the meaning and significance of a Research design. Discuss briefly different research designs.
- Q6)** Enumerate the different methods of collecting data. Clearly explain the difference between collection of data through questionnaires and schedules.