



**BOWEN UNIVERSITY IWO, OSUN STATE**  
**COLLEGE OF COMPUTING AND COMMUNICATION STUDIES**  
**COMPUTER SCIENCE PROGRAMME**

**B.SC. DEGREE FIRST SEMESTER EXAMINATION SESSION: 2023/2024**

**COURSE TITLE: RESEARCH METHODOLOGY**

**COURSE CODE: SEN 405 COURSE CREDIT: 1 UNIT**

**INSTRUCTION: Answer any four questions TIME ALLOWED: 2 HOURS**

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**Question One**

- 1a. What do you understand by
- (i.) Constructive research 10Marks
  - (ii.) A.D. de Groot's empirical cycle. 5Marks
- b. Give five advantages of empirical research. 5Marks

**Question Two**

- 2a. Explain (i.) sampling 4Marks
- (ii.) Probability sampling techniques 4Marks
  - (iii.) Non probability sampling techniques. 4Marks
- b. Explain 4 types of (i.) Probability sampling 4Marks
- (ii.) Non probability sampling techniques. 4Marks

**Question Three**

- 3a. Explain three methods of collecting data. 9Marks
- b. Which one is the most suitable for conducting enquiry regarding family welfare program in Iwo town? Why? 3Marks
- c. Describe two methods you can use to present your analysed data. 8Marks

**Question Four**

- 4a. Explain measurement? 2Marks
- b. Discuss with examples (i.) three commonly used scales of measurement 6Marks
- (ii.) Four possible sources of error in measurement 6Marks
  - (iii.) Three tests you will use to determine if a measurement is sound. 6Marks

**Question Five**

- 5a(i.). Explain the significance of a research report and 2Marks
- (ii.) Narrate the various steps involved in writing such a report. 8Marks
- b. Describe, in brief, the layout of a research report, covering all relevant points. 10Marks

**Question Six**

- 6a(i). What do you understand by reference management software? 2Marks
- (ii.) Give four examples 2Marks
  - (iii.) Explain two functions of one of them. 4Marks
- b (i.) Explain plagiarism. 2Marks
- (ii.) Give four forms of plagiarism. 4Marks
  - (iii.) Four ways you can avoid plagiarism? 4Marks
  - (iv.) Identify two plagiarism checker you know. 2Marks