

**BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
NUTRITION AND DIETETICS PROGRAM
2021/2022 FIRST SEMESTER EXAMINATION**

**COURSE CODE: NTD 411
CREDIT UNIT: 2**

**COURSE TITLE: RESEARCH METHODS IN
NUTRITION AND DIETETICS**

TIME: 2 HRS

INSTRUCTION: ANSWER QN 1 AND ANY OTHER THREE

Each question carries equal mark.

1. a. Frank is a final year student of the University of Blues. He is to carry out a research work **among diabetic patients** seeking to understand the barriers they encounter in self-management. The research is to take place in a tertiary hospital. He plans to retrieve **a list of all the diabetic** out-patients from the admin and to select a number of them that represents the population.
 - i. What type of sampling technique would you recommend? **3marks**
 - ii. How would you describe the list to be retrieved from the admin? **3marks**
 - iii. Briefly explain and state the difference between purposive and convenient sampling **3marks**
 - iv. What would you call the selected portion of the population? **2.5marks**
- b. Write a concise note on research design **6marks**
- 2 a. List the basic features of research project. **5marks**
 - b. As a researcher, you are required to write and submit a proposal for ethical approval. Write a research proposal on a topic of your choice. **12.5marks**
3. Research ethics refers to a determination of what is right from what is wrong. Discuss **17.5marks**
4. a. Sampling is the process of selecting a sample from a population. Write briefly on this. **2.5marks**
 - b. State and write briefly on 5 sampling types. **15marks**
5. Sample size calculation is one of the steps in research studies. Discuss **17.5marks**