



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF EDUCATION
EXAMINATION 2017_2

EDU 323 : BASIC RESEARCH METHODS AND STATISTICS IN EDUCATION
QUESTIONS

Answer 1 and any two others

1. a. What is hypothesis? 3 marks
b. What are the three characteristics of hypothesis? 6 marks
c. Give a researchable topic in your area of study 5 marks
d. State two alternative hypothesis H_a and two null hypothesis H_o from the topic given in C 12marks
e. State two research questions from the topic 4 marks
2. a. Explain the four scientific attitudes which you need to apply in your research 10 marks
b. Explain the four ethical considerations in research 10 marks
3. a. Differentiate between probability sampling and non-probability sampling
b. Explain three types of probability sampling and three types of non-probability sampling.
4. a. Differentiate between these variables
i). Independent and dependent variables
ii). Discrete and continuous variables 10 marks
b. i). What are the two types of validity in experimental studies
ii). Mention four threats to each of the two types of validity 10 marks
5. Construct a ten item questionnaire as follows:
i. It should be from a topic in your area of study
ii. It should contain all this components
iii. It should be for a named population 20 marks