



**COLLEGE OF SOCIAL SCIENCES, THEOLOGY, HUMANITIES
AND EDUCATION**

NHSW 214 RESEARCH AND STATISTICS FOR SOCIAL WORK

SUPPLEMENTARY EXAMINATION

AUGUST 2019

LECTURER: MR. P.T. TARONDWA

DURATION: 3 HRS

INSTRUCTIONS

1. Do NOT write your name on the answer sheet.
2. Answer a total of **THREE (3)** questions.
3. Answer **ONE** question from each section and then choose your third response from either section **A or B**.
4. Begin your answer for each question on a new page.
5. Credit will be given for neat, well-written and lucid work.

SECTION A

1. Compare and contrast qualitative and quantitative research methods. [20 marks]
2. Examine the essential features of experimental research design? [20 marks]
3. With the help of relevant examples, discuss the merits and demerits of collecting research data using focus group discussion. [20 marks]

SECTION B

4. A social worker suspects that the average age for developing lung cancer as a result of smoking tobacco differs with country of origin. She knows that the average age forms a normal distribution and that for Zimbabwe, the average age is **50** with a standard deviation of **12**. The social worker obtains a sample of **28** people from Mozambique and found out that their average age was **48** years. What can she conclude? Use alpha 0.05 [20 marks]
 5. i) From the following raw data, find the median
12; 4; 18; 5; 12; 7; 4; 16; 4; 5; 17; [1 mark]
ii) From the following raw data:-
20; 12; 24; 6; 15; 12; 6; 12; 6; 18; 6.
a) Find the mode. [1 mark]
b) calculate the mean [3 marks]
iii) From the following sample data:-
105; 124; 241; 28; 303; 205; 102 ; 625; 144; 125.
a) Calculate the mean [4marks]
b) Calculate the variant [8 marks]
c) Calculate the standard deviation [4 marks]
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