



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

NHSW 214/HEC 342 RESEARCH METHODS

END OF SEMESTER EXAMINATION

NOVEMBER 2019

LECTURER: MR. P.T. TARONDWA

DURATION: 3 HRS

INSTRUCTIONS

1. Do NOT write your name on the answer sheet.
2. Answer **THREE (3)** questions **ONLY**.
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. Each question is worth a total number of marks shown at the end.
6. Credit will be given for neat, well-written and lucid work.

SECTION A

1. With the help of relevant examples, discuss the four goals of research. [20 marks]
2. Examine the essential features of experimental research design. [20 marks]
3. Compare and contrast qualitative and quantitative research methods. [20 marks]

SECTION B

4. A researcher 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 Zambia, the average age is 60 with a standard deviation of 14. The researcher obtains a sample of 25 people from Angola and found out that their average age was 58 years. What can she conclude? Use alpha 0.05 [20 marks]
 5. i) From the following raw data, find the mean
12; 4; 18; 5; 12; 7; 4; 16; 21; 19; 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:-
115; 124; 240; 28; 333; 225; 100 ; 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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