



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2016/2017**

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR DEGREE  
OF MASTER OF ARTS IN SOCIOLOGY**

**CITY CAMPUS - EVENING**

**ASO 806: COMPUTER SKILLS AND APPLICATIONS IN SOCIAL  
SCIENCE RESEARCH**

Date: 30<sup>th</sup> November, 2016

Time: 2.00 - 5.00pm

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**INSTRUCTIONS:**

- Answer Question ONE and any other TWO Questions.



1. a). Describe the **MAIN** procedures of analyzing qualitative and quantitative social science data. (10 Marks)  
b). Explain why data triangulation is important in social science research. (10 Marks)
2. a). Explain the importance of data management plan in scientific research. (10 Marks)  
b). Describe the functions of an operating system. (10 Marks)
3. a). Explain the meaning of Freeware, Public Domain, Shareware, and Open-Source software. (10 marks)  
b). Elaborate on how a computer represent and store data and instructions. (10 Marks)
4. a). Elaborate the **STEPS** and use of SPSS in organizing quantitative data in social science research. (12 Marks)  
b). Explain the difference between client-server and Peer-2-peer network model. (8 Marks)
5. Differentiate between SPSS and Nvivo and explain their application in quantitative and qualitative data analysis. (20 Marks)

6. With relevant examples, explain the meaning of Multiprocessing, Multiprogramming and Time Sharing in computer applications. (20 Marks)