



# MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ENTREPRENEURSHIP AND MANAGEMENT  
SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN SUPPLY  
CHAIN MANAGEMENT

DPS 113. RESEARCH MEHODS

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

## INSTRUCTIONS.

Answer Question One and Any Other Two Questions

1. a) Research is an investigation of finding solutions to scientific and social problems. Explain the scientific definitions of these research terms.
  - i. Research (3 marks)
  - ii. Research methods (3 marks)
- b) The researcher has to understand the objectives of her study before carrying out the research. Explain any five prime objectives of research study. (10 marks)
- c) Secondary data is one of the major data sources. Highlight FIVE external sources of data. (10 marks)
2. Measurements consist of assigning numbers to imperial events in compliance with asset of rules. Discuss the types of scales used as advice for measuring magnitude of variables. (10 marks)
3. a) Sampling is the process of coming up with the number or kind of a sample Explain the five probability sampling methods. (10 marks)
- b) Explain different types of data presentation techniques. (10 marks)

4. a) coding is a technique used in data analysis. Explain the principles of coding. (10 marks)
- b) Explain any five sources of sampling errors. (10 marks)
5. Explain the sampling process undertaken in the sampling of a population. (20 marks)