



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF ECONOMICS

THIRD YEAR SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ECONOMICS

ECO 300: RESEARCH METHODS

DATE: 26/9/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer question one and any other two questions. Question one carries 30 marks and the other questions carry 20 marks each.

QUESTION ONE (30 MARKS)

The Jua kali sector has been argued to be playing an important role in the development process and also provision of employment opportunities. The sector provides training to potential employees for both the formal and informal sector thereby helping to improve the quality of life for these who would be otherwise be without source and live hood. Also the juakali (informal) sector has the capacity to mobilize resources and produce goods and services that is necessary to the population and various stakeholders are targeting the sector to enhance potential benefits.

The recent study by Mogeni limited Co. revealed that the development of Jua Kali sector has some effect on the development of infrastructure, availability of cheap credit, competition in the market price of raw materials used in the production among other factors

Required:

- i) Suggest three possible research question or hypothesis and research objectives. (12 marks)
- ii) Briefly describe any three research design that you may employ in your research. Explain any two possible samples that you may use. (4 marks)

- iii) The above research can either employ secondary or primary data, or can be either quantitative or qualitative; differentiate between quantitative and qualitative research methods.

(5 marks)

- iv) What would be the your conceptual framework?

(5 marks)

QUESTION TWO (20 MARKS)

There are various economic problems facing Nairobi residents in regard to making investment decision. As an economics student at Machakos University, You were approached by Machakos County Government to conduct a research on the possible Economic determinants of investment in Machakos. Discuss the research process that you will employ in your research.

QUESTION THREE (20 MARKS)

Management consulting firm in Nairobi was given a task by the transition authority to conduct a research on the possible economic determinants of crime in Kenya, so that the results could be used by the county Government in policies that will be aimed at curbing crime in the county after conducting a research the following model was achieved.

$$Y = 10 + 0.70X_1 + 0.10X_2 - 0.10 X_3 + \varepsilon$$

X_1 Economics growth

X_2 .Unemployment

X_3 .public expenditure on security

Y-Crime

- i) Suppose the hypothetical coefficient of determination (R^2) from the model was 0.9.Explain its meaning. (4 marks)
- ii) Explain the effect of X_1 , X_2 & X_3 on the dependent variable and also explain what is '10' and ε , From the model (6 marks)
- iii) While the research assistant were carrying out the research on behalf of the firm, they encountered some terms which included;
 - a) Target population
 - b) Sample size and sampling
 - c) Reliability and validity

d) Research design

Explain briefly their meaning.

(10 marks)

QUESTION FOUR (20 MARKS)

- a) Briefly explain why a researcher needs to review literature while writing a research paper. (4 marks)
- b) What are the two types of literature that is under review? (4 marks)
- c) Discuss methods used to identify a research problem. (5 marks)
- d) Discuss the factors that influence sample size in research. (5 marks)

QUESTION FIVE (20 MARKS)

- a) Explain “statement of problem” in research. (4 marks)
- b) Give characteristics of a “statement of problem” in research. (4 marks)
- c) Explain two types of hypothesis. (4 marks)
- d) Differentiate between primary and secondary data. (2 marks)
- e) Explain some of ethical consideration in carrying out research. (6 marks)