



1ST SEM. 2017/18

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UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER

PROGRAM : BACHELOR OF SCIENCE IN COS, COSE
FSNT AND TADM, YEAR III

COURSE CODE : COS 301, CED301, FNS301, AND TAD301

TITLE OF PAPER : RESEARCH METHODS

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS : ANSWER QUESTION ONE (1) AND ANY
OTHER TWO (2) QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR

QUESTION 1 (COMPULSORY)

- (a) Outline the points that need to be considered in selecting a research problem. (10 Marks)
- (b) Describe the advantages and disadvantages of a case study method. (10 Marks)
- (c) A researcher wants to investigate the influence of baking mango variety and extraction method on the quality of mango juice. The researcher decides to use two varieties and three extraction methods. Based on the information given:
- Name the type of research and the specific design
 - Identify the factor(s)
 - Identify the levels of the factor(s)
 - Identify the response variable(s)
- (5+4+5+6 = 20 Marks)

[TOTAL MARKS = 40]

QUESTION 2

- (a) Identify and describe the different types of scales. (16 Marks)
- (b) Define descriptive research and outline its aims. (14 Marks)
- [TOTAL MARKS = 30]

QUESTION 3

- (a) Make a distinction between validity and reliability. (10 Marks)
- (b) Write short notes on the following: (5 x 4 = 20 Marks)
- Factorial experiment
 - Active research
 - Single-Group Time-Series Design
 - Literature review

[TOTAL MARKS = 30]

QUESTION 4

- (a) Outline five (5) characteristics of a good research proposal. (15 Marks)
- (b) Name five (5) types of quasi-experimental research and explain two (2) in detail. (15 Marks)
- TOTAL MARKS = 30]