



1ST SEM. 2016/17

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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**

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) Explain why research is said to be a process. (10 Marks)
- (b) Make a distinction between experimental and non-experimental research. (10 Marks)
- (c) Explain under what situations we use CRD and RCBD experimental layouts. Give an example for each. (20 Marks)

[TOTAL MARKS = 40]

QUESTION 2

- (a) Identify and describe the different properties of a measurement. (16 Marks)
- (b) Define cross-sectional research and outline its aims. (14 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- (a) Make a distinction between primary and secondary data. (10 Marks)
- (b) Write short notes on the following: (5 x 4 = 20 Marks)
 - i. Reliability
 - ii. Informed consent
 - iii. Blocking
 - iv. Literature review

[[TOTAL MARKS = 30]

QUESTION 4

- (a) Outline possible reasons for failure of a research proposal. (15 Marks)
- (b) Name types of validity tests and explain two (2) in detail. (15 Marks)

TOTAL MARKS = 30]