UNIVERSITY OF ESWATINI
FINAL 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) Define research and outline the general characteristics of research.   **(16 Marks)**

(b) Under what circumstances are the following designs used. Give examples and show layout.   **(12Marks)**

    i.   Completely randomized design

    ii.   Randomized complete block design

(c) Describe the attributes of an experimental and non-experimental research **(12 Marks)**

[TOTAL MARKS = 40]

QUESTION 2

(a) Make a distinction between cross-sectional and longitudinal research methods. **(10 Marks)**

(b) Write short notes on the following: **(4x5 =20 Marks)**

    i.   Informed consent
    ii. Type I and type II error
    iii. Quasi-experimental research (give two example)
    iv. Systematic sampling

[TOTAL MARKS: 30]

QUESTION 3

(a) Describe the advantages and disadvantages of face-to-face interview.   **(12 Marks)**

(b) Explain what validity and reliability of a research instrument refers to   **(8 Marks)**

(c) Make a distinction between narrative records and checklists as data collection methods in observational methods.   **(10Marks)**

[TOTAL MARKS = 30]

QUESTION 4

(a) Describe the importance of literature during proposal writing. **(10 Marks)**

(b) Explain the characteristics/properties of the following scales. **(5+5 =10 Marks)**
   i.   Interval
   ii. Ratio scale

(c) Explain qualitative and quantitative research approaches. **(10 Marks)**

[TOTAL MARKS = 30]