

UNIVERSITY OF SWAZILAND

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

RESIT EXAMINATION – JULY 2018

B.A., BASS, B.Ed., & B.Sc.

TITLE OF PAPER: RESEARCH METHODS

COURSE CODE: GEP 313/323

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER THREE (3) QUESTIONS**
- 2. QUESTION 1 IS COMPULSORY**
- 3. ANSWER ANY TWO (2) QUESTIONS FROM SECTION B**
- 4. WHERE APPROPRIATE, ILLUSTRATE YOUR ANSWER WITH DIAGRAMS AND EXAMPLES**

MARKS ALLOCATION: QUESTION ONE (1) CARRIES 40 MARKS AND THE REST OF THE QUESTIONS CARRY 30 MARKS.

THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

QUESTION 5

(a) Define the following terms:

(i) Remote sensing (3 marks)

(ii) Passive sensor (3 marks)

(iii) Reflectance (3 marks)

(iv) Swath (3 marks)

(v) False colour composite (3 marks)

(vi) Instantaneous field of view (IFOV) (3 marks)

(c) Discuss the colour additive theory. (12 marks)

(30 Marks)

GEP 313 RESEARCH METHODS - JULY 2018

SECTION A: COMPULSORY QUESTION

QUESTION 1

a) 'Researchers have recognized several factors that pose a threat to the external validity of research findings.' Identify and explain four (4) threats to the external validity of a research study. (20 Marks)

b) Identify and describe eight (8) factors that can threaten the internal validity of a study.

(20 marks)

(40 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS FROM THIS SECTION

QUESTION 2

Using examples compare and contrast focus group with in-depth interview as methods of data collection. (30 Marks)

QUESTION 3

a) Using examples, distinguish between longitudinal and cross-sectional research designs.

(10 marks)

b) Discuss the advantages and disadvantages of longitudinal research.

(20 marks)

(30 Marks)

QUESTION 4

Identify and discuss three (3) different types of evaluation research that researchers employ to study social interventions or programs.

(30 Marks)

QUESTION 5

Using examples, distinguish between quantitative and qualitative research approaches.

(30 Marks)