



OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, RESEARCH AND STUDENTS AFFAIRS

UNIVERSITY EXAMINATIONS

2018 /2019 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS/B.ST)**

COURSE CODE: GEO 225

**COURSE TITLE: TECHNIQUES IN PRACTICAL
GEOGRAPHY AND FIELD WORK**

DATE: 17TH APRIL, 2019

TIME: 9.00 AM – 12.00 PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 225: TECHNIQUES IN PRACTICAL GEOGRAPHY AND FIELD WORK

STREAM: BED (Arts)

DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES

- i. Answer question ONE and any other TWO questions*
- ii. Do not write on the question paper*
- iii. Maps, sketches and diagrams should be used whenever they serve to illustrate the answers*

Question One

- a) Outline five factors that justify Geography as a practical subject.(5 Marks)
- b) Based on Kitale map extract, identify; (10 Marks)
 - i. The vertical interval.
 - ii. The directional flow of river SUWERWA.
 - iii. Social functions of Kitale town, show evidence.
 - iv. Provide the six figure grid reference of the symbol showing papyrus swamp nearest to the dam found at the North of northing 10.
 - v. Find the bearing of the map from the air photo principal point on GR square 4012 to GR square 4511
- c) The measurement of central tendency show how the distribution cluster at the mean.

8.8, 10.7, 9.1, 8.4, 13.9, 6.1, 10.8, 8.9, 8.8, 10.6, 11.2, 7.7, 9.4, 8.7 and 9.9

- i. Calculate the mean temperature of the fifteen days Jan 2019. (2 Marks)
- ii. Find the median temperature. (3 Marks)
- iii. Describe the type of modal in the above distribution. (3 Marks)

d) How can photography be used to determine the high temperatures of a place. (2 Marks)

Question Two

a) Explain five advantages of digitizing maps in the study of Geography. (10 Marks)

b) Explain five advantages of integrating technology in the study of Geography. (10 Marks)

Question Three

a) Examine the four measurement scales and show how they substantially fit in the Geography study. (12 Marks)

b) Identify the most primitive scale and compare its application in Geography with the most superior scale on rainfall distribution in a year. (8 Marks)

Question Four

a) Explain how the universal Trans-Maketer (UTM) and global positioning system (GPS) support Geographical studies about spatial distribution of resources. (10 Marks)

b) Examine the advantages of Geographic information system (GIS) in mapping the world resources. (10 Marks)

Question Five

a) Identify two major types of maps and justify their superiority in the conceptualization of locations as compared with the approach of field work for Geographic studies. (10 Marks)

b) Use the map of Kitale to;

i. Prepare a cross-section from GR 460170 to GR 500170 and comment on the landscape. (6 Marks)

ii. Measure the road number C639 from Hoey's Bridge to Kapcherop in metres. (2 Marks)

iii. Calculate the area of Kapkanyar forest. (2 Marks)
