

# HUDAIBYA EXAMINATION COMMITTEE (HEC)



FORM FOUR EXAMINATION SERIES 01/20 – Jan 2023

## GEOGRAPHY

CODE: 013

TIME: 2: 30 Hours

### Instructions

1. This paper consists section A, B and C.
2. Answer ALL questions from each section.
3. Unwanted materials are highly prohibited in examination room.
4. Map of **Arusha sheet 55/3** is provided.
5. All writings should be done in black or blue pen except for the diagrams which must be in pencil.

This Paper Consists of Five Printed pages

*“Transforming Community is Our Concern”*

**SECTION A: (15 Marks)**  
**PHYSICAL AND MATHEMATICAL GEOGRAPHY.**

1. Choose the right answer and write its letter on your answer sheet.
- (i) The composition of the earth's interior made up of \_\_\_\_\_  
(a) Core, inner and mantle                      (b) Crust, mantle and Core  
(c) Crust, mantle and structure              (d) zone, structure and mantle  
(      )
- (ii) The inner core is said to be \_\_\_\_\_ due to high pressure at the Centre.  
(a) Solid    (b) liquid  
(c) Molten    (d) gaseous    (      )
- (iii) \_\_\_\_\_ is an elongated trough with steep sided produced by faulting due to tensional forces or compressional forces.  
(a) Fold mountain                                      (b) Joints  
(c) Block mountains                                      (d) Rift valley    (      )
- (iv) The types of erosion happen when rill erosion become more concentrated producing deep troughs into land called \_\_\_\_\_  
(a) Gully erosion                                      (b) sheet erosion  
(c) Rill erosion    (d) fluvial erosion    (      )
- (v) Which of the following is associated with magnitude of an earthquake?  
(a) Seismography                                      (b) Focus  
(c) Richter scale    (c) Epicenter    (      )
- (vi) The following are the features produced at the youth stage of the river except \_\_\_\_\_  
(a) V- shaped valleys                                      (b) Pot holes  
(c) Waterfalls    (d) Meanders    (      )
- (vii) A channel diverging from the main river and flowing into the sea or a lake, a separate mouth is called \_\_\_\_\_  
(a) Tributary    (b) Stream  
(c) Distributary    (d) Water shade    (      )
- (viii) Mountains can be classified on the basis of \_\_\_\_\_  
(a) Their importance                                      (b) Their height  
(c) Their formation    (d) Their composition.    (      )
- (ix) The type of river erosion that takes place on the river bed is referred to \_\_\_\_\_  
(a) Pot hole    (b) Lateral erosion  
(c) Headward erosion    (d) Vertical erosion    (      )

- (x) The following are features produced by intrusive except  
 (a) Dyke (b) sill  
 (c) Crater (d) Lapolith ( )

2. Match the question statement from **List A** and its answer from **List B** write its letter on your answer sheet.

| COLUMN A |   | COLUMN B   |
|----------|---|--|
| (i)      | A low laying area of land formed at a river mouth.  | A: Oasis   |
| (ii)     | ___ is a tributary in a lower course of the river that have been forced to flow alongside the main stream for long distance before joining it | B: River capture<br>C: Ozone layer<br>D: Ox-bow lake<br>E: Delta<br>F: Flood plain |
| (iii)    | Depression contain water in the desert  | G: Differed tributary (Yazoo stream)   |
| (iv)     | A stream that lost headwaters and has been reduced in volume to become small in valley  | H: Misfit<br>I: River – bank<br>J: Water logging                                   |
| (v)      | An old meander which cut off as material deposited by the river to leave water apart from the main stream                                     |  |

**SECTION B: (55 Marks)**  
**Short answers**

- 3.
- What is chain surveying?
  - Describe equipments used in chain surveying (five equipments)
  - Mention five (05) sources of errors in chain surveying.
  - Differentiate between primary data and secondary data
4. (a) What is leveling in surveying?  
 (b) Identify three instruments used in leveling surveying  
 (c) Give four (4) significant of leveling surveying in daily life.

5. The followings data are Meatu District cotton productions in tonnes from 2001 – 2008.

| <b>Year</b> | <b>Cotton Production</b> |
|-------------|--------------------------|
| 2001        | 22000                    |
| 2002        | 23000                    |
| 2003        | 28000                    |
| 2004        | 28000                    |
| 2005        | 24000                    |
| 2006        | 32000                    |
| 2007        | 29000                    |
| 2008        | 30000                    |

- (i) Give out (3) another method which can be used to construct graph  
(ii) Construct a divergence bar graph.  
(iii) State the merits and demerits of divergence bar – graph
6. Carefully study the map extract of **Arusha sheet 55/3** provided then answer the questions that follow.
- Describe the relief of the mapped area
  - With evidence, mention three means of transport shown in a map
  - Change the scale of the map into a statement scale
  - Measure the length of the road from grid reference 160234 to grid reference in kilometers 370279
  - With evidence from the map identify three social services which are found in the mapped area.

7. Study the photograph provided below and then answer the question that follows.



- (a) Name the type of photograph
- (b) Give three characteristics of the type of photograph above
- (c) Give two economic importance of the area
- (d) Suggest the climatic condition of the area.
- (e) Describe the importance of the vegetation shown in the area (three points)

**SECTION C: (30 Marks)**  
**REGIONAL FOCAL STUDIES**  
**Answer any two questions**

8. Explain five (5) the challenges facing the development of agriculture sector in Tanzania.
9. Assess five (5) the economic contributions of mining sector in Tanzania.
10. Explain five (5) ways which can be used to promote textile industries in Tanzania