*Candidate’s Name ……………….*..........................................................

**THE UNITED REPUBLIC OF TANZANIA**

**MINISTRY OF EDUCATION AND VOCATIONAL TRAINING**

**FORM FOUR MONTHLY EXAMINATION FOR LINDI REGION, FEBRUARY 2019**

**013 GEOGRAPHY**

**TIME: 3 HOURS FEBRUARY 2019**

**INSTRUCTIONS**

1. This paper consists of three sections A, B, C and D.
2. Answer all questions in section A ,B and C two (2) questions from section D.
3. Map extract of Kigoma/series Y742 sheet 92/3) is provided
4. All answers should be written on the answer sheets provided
5. Calculators and cellular phones are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s)

**SECTION A (25 Marks)**

**Answer all questions in this section**

**PHYSICAL AND MATHEMATICAL GEOGRAPHY**

1. For each of the item (i) – (x) choose the most correct answer from among the given alternatives and write its letter beside the item number
2. Lines drawn through places having the same amount of sunshine are
3. Isosunshine
4. Isohyte
5. Isohels
6. Isoneph
7. Isobars
8. Which of the following features may occur when lava cools on the surface?
9. Basalt plateau
10. Sill
11. Batholith
12. Dyke
13. Laccolith
14. Which of the following is not associated with earthquakes?
15. Body waves
16. Geysers
17. Richer scale
18. Seismograph
19. Focus
20. Which of the following is not a factor influencing temperature of a place?
21. Aspect
22. Ocean current
23. Altitude
24. Eclipse
25. Length of a day
26. The sideways erosion which widens the v-shaped valley is known as
27. Vertical erosion
28. Lateral erosion
29. Headward erosion
30. Hydraulic action
31. Attrition
32. The following rocks allow underground water to pass through except
33. Pervious rocks
34. Porous rocks
35. Sedimentary rocks
36. Permeable rocks
37. Impermeable rocks
38. Which of the following statement is true about equatorial region?
39. It has four rainfall maxima
40. It experiences temperature below 20°C
41. It has a small annual range of temperature
42. It has a high annual range of temperature
43. It is found between 15° and 30°north and south of the equator
44. One of the following features is a product of weathering
45. Earth pillar
46. Gully
47. Lilly
48. Soil creep
49. Hot spring
50. A drainage pattern that resembles a tree with a trunk and its branches is called
51. Dendritic pattern
52. Radial pattern
53. Trellis pattern
54. Centepetal pattern
55. Annual pattern
56. If the location of a point on a map is given by grid reference 365490, then
57. 365 are degrees
58. 365 are longitudes
59. 490 are northings
60. 490 are eastings
61. 365 are northings
62. Match the items in List A with responses in List B by writing the letter of the correct response beside the item number in the answer box provided

|  |  |
| --- | --- |
| **LIST A** | **LIST B** |
| 1. The large mass of magma (granite) which form the root or core of a mountain
2. The earth’s zone which is made up of nickel and iron
3. Formed when lava cools and solidify on the earth surface to form extrusive features
4. Funnel-shaped volcanic depression which forms at the mouth of volcanic vent
5. Very large saucer shaped mass of igneous intrustion
 | 1. Lopolith
2. Crater
3. Phacolith
4. Dyke
5. Core
6. Batholiths
7. Caldera
8. Hot spring
9. Volcano
10. sill
 |

1. (a) Classify rocks according to the mode of formation

(b) Describe four (4) values of rocks to human being.

**SECTION B (27 Marks)**

Answer **all** questions this section.

APPLICATION OF STATISTICS, INTRODUCTION TO RESEARCH AND

ELEMENTARY SURVEYING

1. Study carefully the data below and answer the questions that follow.

 THE EXPORT OF CASH CROPS IN TANZANIA (IN TONNES) FROM 1990 TO 1994

|  |  |  |  |
| --- | --- | --- | --- |
| **Year/Crop** | **Coffee** | **Sisal** | **Cotton** |
| 1990 | 3000 | 2500 | 7000 |
| 1991 | 2500 | 2000 | 4500 |
| 1992 | 3500 | 1500 | 6000 |
| 1993 | 6000 | 1000 | 8500 |
| 1994 | 6500 | 1200 | 9000 |

1. Present the data using grouped bar graph.
2. Comment on the trend of export as depicted from the graph.
3. List two advantages and two disadvantage of using the method mentioned in (a) above.
4. a) What is an Interview?

 b) Analyze five things to be adhered to for a researcher in order to have a successful

 interview

1. Form four students at Kimbunga sec. School conducted a chain survey
2. Name and describe the uses of five (5) equipments that might be used in the activity.
3. What problems do these surveyors could face when conducting survey? Name three (3) problems

**SECTION C (28 Marks)**

Answer **all** questions in this section.

MAP READING AND PHOTOGRAPH INTERPRETATION

1. Study the printed map extract of Kigoma/series Y742 sheet 92/3) then answer the questions that follows
2. Measure the distance in km of all weather road from grid reference 950648 up to 020635
3. Identify the settlement pattern of the area
4. Outline the method used to show scale of a given map
5. With evidence from the map identify three(3) major economic activities taking place in the area
6. What is the bearing and direction of Gungu (940623) from Kagera 3 (000568)
7. Study the photograph provided below and then answer the questions that follow



1. With **two** (2) evidence, name the type of photograph
2. Suggest two (2) economic activities that may take place?
3. Outline significance of this major means of transportation (Give four points)
4. Mention four (4) setbacks which facing major means of transport
5. Name **two (2)** places in Tanzania where this photograph might be taken

**SECTION D (20 Marks)**

Answer **one (1)** question from each part.

**PART 1:** REGIONAL FOCAL STUDIES

1. Give any eight points to justify the importance of lake Victoria to the East Africa countries
2. Explain eight (8) measures taken by the government of Tanzania to improve agricultural

sector.

**PART II:** ENVIRONMENTAL ISSUES, POPULATION AND SETTLEMENT

 11. Explain six (6) factors that geographically influence the climates of the world.

 12. Describe seven problems associated with rapid urbanization