**PRESIDENT’S OFFICE**

**REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**

**LINDI REGIONAL COMMISSIONER’S OFFICE**

**FORM FOUR MOCK EXAMINATION**

**GEOGRAPHY**

**CODE NO.113 MAY, 2018**

**TIME: 3 HOURS**

**INSTRUCTIONS:**

1. This paper consists of sections A, B, C and D.
2. Answer ALL questions in section A, B, C and one (1) question from each part of section D.
3. Map extract of SONGWE RIVER sheet 244/3 is provided.
4. Credit will be given for use of relevant sketch maps and diagram.
5. Electronic or any other types of Calculator 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: PHYSICAL AND MATHEMATICAL GEOGRAPHY (25 Marks)**

**Answer all questions in this section.**

1. For each of the items (i)-(x) choose the correct answer from among the given alternatives and write its letter beside the item number.
2. ….. is the only planet in the solar system which it has the most number of

Satellites.

1. Jupiter
2. Neptune
3. Saturn
4. Mars
5. Uranus
6. When do we get the summer solstice in the southern hemisphere?
7. 23rd September
8. 21st June
9. 22nd December
10. 21st March
11. 21st September
12. An earthquake begins
13. A long a fault or fissure
14. At the inner core of the earth
15. At the epicenter
16. At the focus
17. From the mantel layer
18. The following is not a feature formed in the glaciated highland areas;-
19. Truncated spur
20. V-shaped valley
21. Crag and tail
22. Pyramid peak
23. Arete
24. The president Magufuli was addressing the nation at 09:00 pm in Dar- es- salaam (45°E)at a time Tanzanians in diaspora were streaming the speech live in England at 5:00pm.Find the Longitudes of England.
25. 600W
26. 1050E
27. 600E
28. 300W
29. 150W
30. The distance from source to the mouth of the river is called ;-
31. Graded river
32. Long profile
33. Cross profile
34. Upper section
35. River capture
36. Gneiss, Marble, Slate and Graphite are good example of;
37. Porous rocks
38. Permeable rocks
39. Sedimentary rock
40. Impermeable rock
41. Metamorphic rock
42. It occur when volume of air raising with the water vapour cool below the

temperature then saturate with moisture.

1. Dew point
2. Clouds cover
3. Mist
4. Evaporation
5. Condensation
6. Fold mountain are the results of;
7. Tensional forces
8. Compressional forces
9. Faulting
10. Depression
11. Tilting
12. Soil textures refers to
13. Arrangement of soil particles
14. Size of individual soil particles
15. Soil catena
16. Soil pH
17. Grained structure
18. Match the items in LIST A with the responses in list B by writing the letter of the correct responses besides the item number in the space provided.

|  |  |  |  |
| --- | --- | --- | --- |
| **LIST A** | | **LIST B** | |
| i | Renewal of erosive power of the river | A | Erosion |
| ii | The zone of faults often develop into a valley | B | Seif dune |
| iii | A long narrow ridge of sand parallel to a wind direction | C | Rift valley |
| iv | Earth's zone which is rich in Nickel and Iron | D | Mantle |
| v | A large mass of ice flowing downhill in a valley under the influence of gravity | E | Glacier |
|  |  | F | Loess |
|  |  | G | River source |
|  |  | H | Core |
|  |  | I | Steep slope Landscape |
|  |  | J | River rejuvenation |

1. a) What is Mass wasting?

b) Explain five factors that influence the rate of mass wasting.

c) With the aid of diagram briefly explain three types of rapid mass wasting.

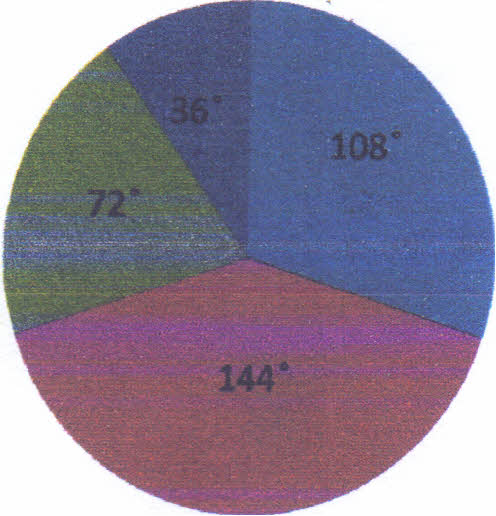
**SECTION B: (27 Marks)**

**APPLICATION OF STATISTICS, INTRODUCTION TO RESEARCH**

**AND ELEMENTARY SURVEYING**

**Answer all questions in this section.**

1. a) Differentiate the following terms as used in statistics.
2. Raw data and transforming data.
3. Independent variables and dependent variables
4. Discrete data and continuous data
5. Study the following pie chart which show the exportation of cash crops of 100tonnes in year 2010.



sisal

cotton

tea

cocoa

coca sisal

Tea

cotton

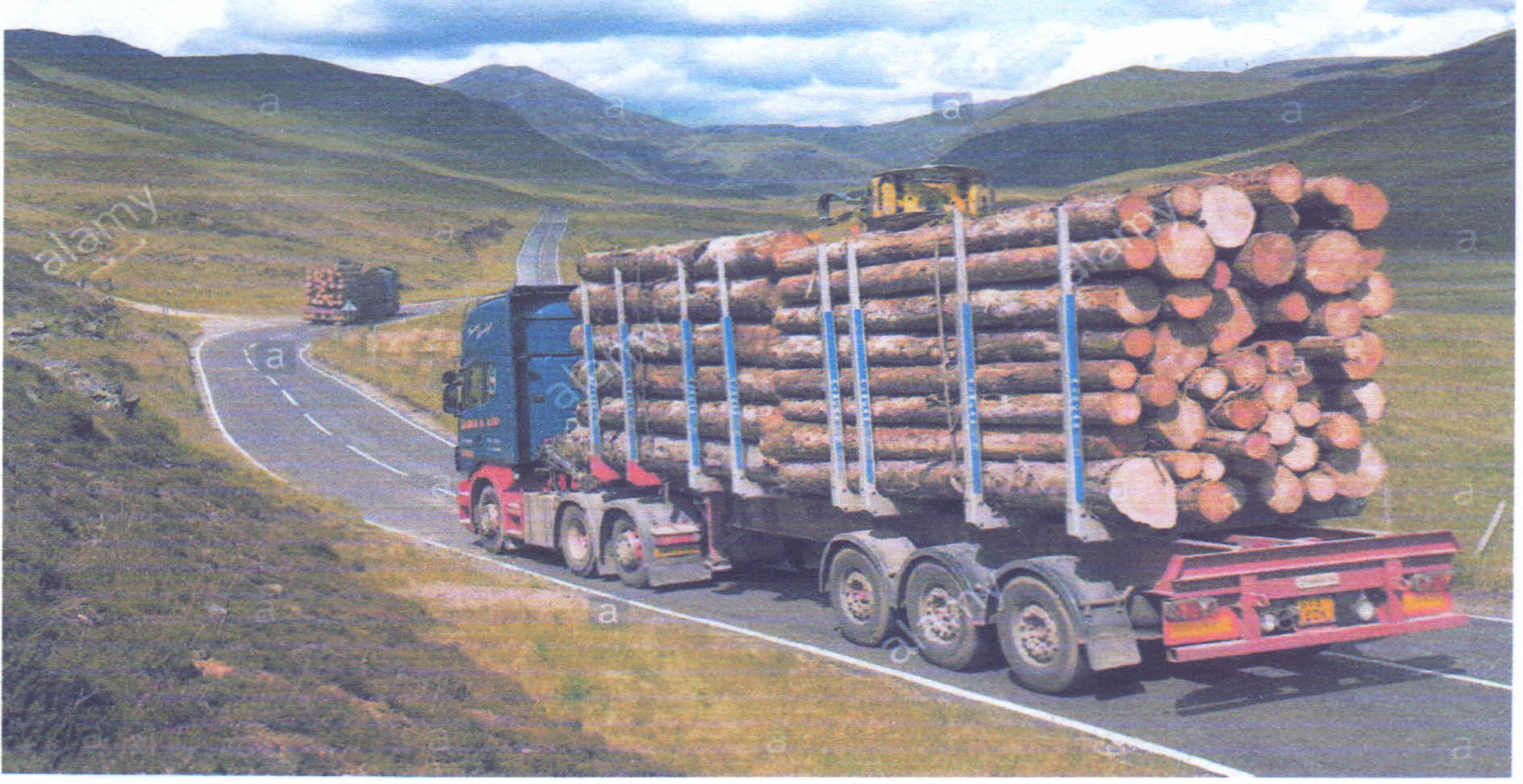
1. From the data above ,construct a variable table
2. Represent data in a simple line graph
3. Mention the other method that may be used to present data above.
4. a) What is meant by data as used in research?
5. Differentiate primary data from secondary data
6. Brief outline five stages followed in doing the research work and four obstacles someone can face when doing research.

1. a) Define the term Levelling Survey.
2. State four benefit of Leveling Survey.
3. Explain four equipments used in Leveling Survey.

**SECTION C: MAP READING AND PHOTOGRAPH INREPRETATION (28 Marks)**

**Answer all questions in this section**

1. Carefully study the map of Songwe river sheet 244/3 and then answer the following questions.
2. Calculate the areas covered in km2 in the Eastern part of the grid 095.
3. Identify a place on the map by its name which located with forward bearing of 3220 and 17.5cm to a grid point 015185.
4. Describe and then comment on population distribution
5. With the concrete evidence from the map, give out five importance of the feature found on the North East of the Map sheet.
6. Change the map scale into verbal scale.
7. Carefully study the photograph provided below then answer the questions that follow;-



1. Suggest the type of photograph by giving two reasons.
2. Describe the activity on the photograph
3. Identify the way used to obtain the resource that shown on the photograph
4. Suggest three proper ways to reduce the impact lead by the process in question (c) above

**SECTION D (20 Marks)   
Answer one (1) question from each part   
PART I: REGIONAL FOCAL STUDIES**

1. Why Western countries benefit from mining industry than developing countries (7 points).

1. a) Tanzania has a great potential for Industrial development. Justify   
   b) Explain ways of improving the industrial base in East Africa.

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

1. With concrete examples, explain the factors for unevenly population distribution in Africa.
2. a) What do you understand by the term Soil degradation?   
   b) In what ways can you combat soil degradation?