

MARCH 2023

<b>The Teachers' Resource Unit and the Regional Inspectorate of Pedagogy, in collaboration with NOWEGTA</b>	<b>SUBJECT CODE NUMBER</b> <b>0750</b>	<b>PAPER NUMBER</b> <b>1</b>
<b>GENERAL CERTIFICATE OF EDUCATION REGIONAL MOCK EXAMINATION</b>	<b>SUBJECT TITLE</b> <b>GEOGRAPHY</b>	
CANDIDATE NAME: .....		
CANDIDATE NUMBER: .....		
CENTRE NUMBER: .....		
<b>ADVANCED LEVEL</b>		

**Time Allowed: One and a half hours**  
**INSTRUCTIONS TO CANDIDATES:**

Mobile phones are **NOT ALLOWED** in the examination room.

1. USE A SOFT HB PENCIL THROUGHOUT THIS EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

**Before the Examination begins:**

3. Check that this question booklet is headed "Advanced level -0750 code and subject title—GEOGRAPHY Paper 1".
4. Insert the information required in the spaces above.
5. Without opening the booklet, pull out the answer sheet carefully from inside the front cover of this booklet. Take care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions.
6. Insert the information required in the spaces provided on the answer sheet using your HB pencil:

**Candidate Name, Centre Number, Candidate Number, Subject Code Number, and Paper number**

**How to answer questions in this examination:**

7. Answer ALL the 50 questions in this examination. All questions carry equal marks.
8. Non-programmable calculators are allowed.
9. For each question there are four suggested answers, A, B, C and D. Decide which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen. For example, if C is your correct answer, mark C as shown below:  
[A] [B] [C] [D]
10. Mark only one answer for each question. If you mark more than one answer, you will score zero for that question. If you change your mind about an answer, erase the first mark carefully, and then mark your new answer.
11. Avoid spending much time on any question. If you find a question difficult, move to the next question. You can come back to this question later.
12. Do all rough work in this booklet using, where necessary, the blank spaces in the question booklet.
13. You must not take this booklet and answer sheet out of the examination room. All question booklets and answer sheets will be collected at the end of the examination.

## SECTION A: PHYSICAL GEOGRAPHY

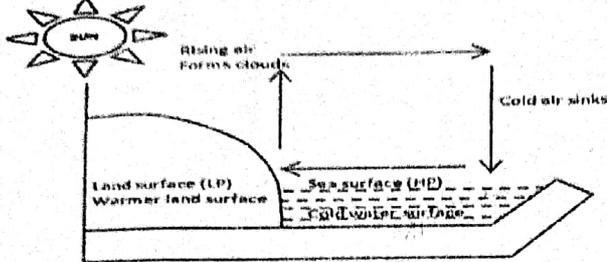
- 1) Which of the following is the major way by which the lower atmosphere is heated?  
 A. Solar Radiation  
 B. Insolation  
 C. Terrestrial Radiation  
 D. Solar Rays

- 2) The diagram below represents which of the atmospheric conditions?

- A. Instability  
 B. Stability  
 C. Conditional Instability  
 D. Absolute Instability



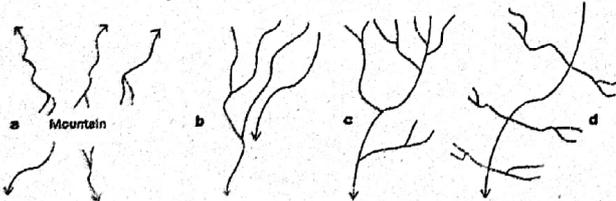
- 3) Study the diagram below which illustrates a type of Local wind.



The above diagram represents a:

- A. Land Breeze  
 B. Sea Breeze  
 C. Local Wind  
 D. Jet Stream
- 4) The annual rainfall of Town Z is less than 250mm per year. Its average day time temperature is 48°C but at night, temperatures fall rapidly to 12°C. This town is actually located in:  
 A. The Polar Region  
 B. The Mediterranean Region  
 C. The Humid Tropical Continental Region  
 D. The Tropical Desert Climate Region
- 5) The main type of wind responsible for the wet and warm climatic conditions of the Rainforest Region of Cameroon is the:  
 A. North East Trade Wind  
 B. Local Winds  
 C. South West Monsoon Wind  
 D. Sea Breeze.

- 6) Study the different types of drainage patterns below and answer the questions that follows:



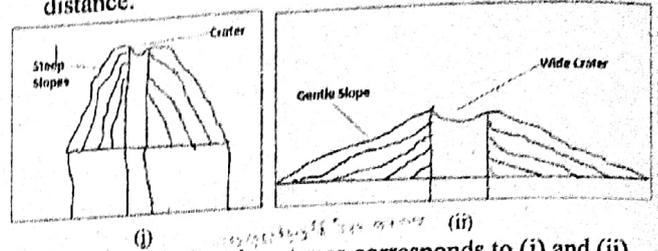
Identify the drainage pattern represented by the letters (a) and (b), respectively.

- A. Radial pattern and Parallel pattern.  
 B. Radial pattern and Dendritic pattern.  
 C. Radial pattern and Trellis pattern.  
 D. Radial pattern and Centripetal pattern.
- 7) In Cameroon, Hydro- Electric Power (HEP) is harnessed and exploited more from one of the following drainage basins. Identify the drainage basin.  
 A. Chad Basin  
 B. Congo Basin  
 C. Niger Basin  
 D. Atlantic Basin

- 8) The following is an era of the formation of young fold

mountains, emergence of human beings, globalization and early civilization.

- A. Mesozoic Era  
 B. Pre- Cambrian Era  
 C. Palaeozoic Era  
 D. Cenozoic Era
- 9) In Northern India, fifty villages were affected by an earthquake rated at a magnitude of 8, on the Richter scale and one of the villages suffered most. This village must have been located at:  
 A. the Constructive Margin  
 B. the Focus  
 C. the Epicentre  
 D. the Seismic Wave Path.
- 10) Study the diagram below comprised of two lava cones. Lava flows just for a short distance in (i) and in (ii), for a long distance.



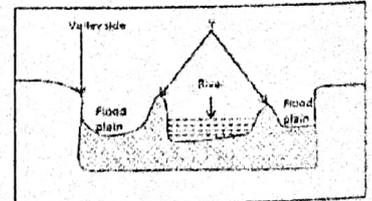
Which of the flowing lava types corresponds to (i) and (ii), respectively?

- A. Fluid and Viscous  
 B. Viscous and Fluid  
 C. Fluid and Basic  
 D. Viscous and Acidic.
- 11) Identify the pair of processes that are responsible for the formation of the Adamawa Plateau and the Western Highlands of Cameroon, respectively.  
 A. Compressional Faulting and Tensional Faulting  
 B. Crustal Uplift and Volcanism  
 C. Folding and Volcanism  
 D. Earthquakes and Compressional Faulting.
- 12) Isolate the reason which aptly explains why chemical weathering is at high intensity in the humid tropics.  
 A. Warmer and Moister climatic conditions which accelerate chemical weathering.  
 B. Suitable location between latitude 0° and 5° North and South of the equator.  
 C. The presence of luxuriant vegetation cover.  
 D. The presence of Pre-Cambrian rocks.

- 13) "A large single huge rock boulder, suddenly detaches itself from a very steep cliff and falls to the base of the cliff." This type of Mass movement is:

- A. A Landslide  
 B. A Rock fall  
 C. A Soli Creep  
 D. Solifluction

- 14) Study the diagram below which shows a river's flood plain and identify the feature labelled "Y".

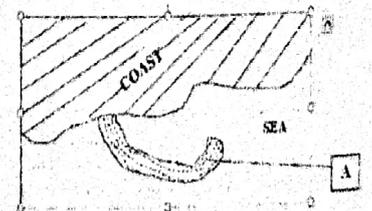


- A. Natural Levees  
 B. River Cliff  
 C. Bay Bars  
 D. Bluffs

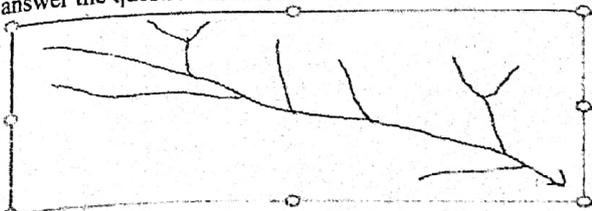
- 15) Study the diagram below and answer the question that follows:

The curved feature labeled 'A' is called a:

- A. Tombolo  
 B. Spit  
 C. Lagoon  
 D. Bar



- 16) Study the diagram below which shows a drainage basin and answer the question that follows:



The above drainage basin has:

- 8 First Order streams, 4 Second Order streams and 2 Third Order streams.
- 9 First Order streams, 2 Second Order streams and 1 Third order stream.
- 10 First Order streams, 3 Second Order streams and 2 Third Order streams.
- 7 First Order Streams, 3 Second Order Streams and 1 Third Order Stream.

- 17) Select the correct list that are all factors that increase the rate of river erosion.

- Heavier and sharper load, Low  $P^H$  of river water, Low velocity.
- High Velocity, less resistant bank and bed rocks, Steep channel gradient.
- Sharp and large bed load, low velocity, less resistant rocks.
- Practice of afforestation, less resistant rocks, high river velocity.

- 18) The A and B horizons of a ferrallitic soil are not sharply demarcated because of:

- Deep penetration of plant roots.
- Strong leaching of bases and colloids.
- The accumulation of sesquioxides at the A horizon.
- Pronounced mixing of soil organisms.

- 19) The table below shows different soil textures.

Which of the soil samples is most likely to be vulnerable to drought and nutrient deficiency?

Soil Sample	Clay	Silt	Sand
P	72	17	11
Q	20	40	40
R	75	15	10
O	10	20	70

- Sample R
- Sample P
- Sample Q
- Sample O

- 20) The relief region in Cameroon where the process of Calcification is dominant, producing the Tropical Black Earth Soils is:

- Northern Lowlands
- Western Highlands
- Adamawa Plateau
- South Cameroon Low Plateau.

- 21) The most significant cause (s) of accelerated soil erosion in Cameroon is:

- Overgrazing and deforestation
- Pressure of Population Growth.
- High Rainfall and winds.
- Steep Slopes and Loose soils.

- 22) Net Primary Productivity can be defined as:

- The amount of nutrients taken up from the soil and used during photosynthesis.
- The amount of energy fixed and stored after subtracting the amount used for respiration.
- The amount of energy fixed per unit area of a vegetation during the process of photosynthesis.
- The amount of organic matter from plants and animals.

- 23) A Plant Community which is the result of persistent destructive activities of humans after it had reached a climax is referred to as a:

- Climatic Climax Community.
- Sub Climax Community
- Plagio- Climax Community

**D. Delayed Climax Community.**

- 24) Identify the group of organisms which operate at all trophic levels in the food chain.

- Carnivores
- Omnivores
- Detritivores
- Heterotrophs

- 25) The Tropical Rainforest (Selva Biome) in terms of nutrient cycling is best described by:

- Large amount of nutrients in Litter.
- Large amount of nutrients in Biomass.
- Large amount of nutrients in Soils.
- Large amount of Biomass and Litter.

**SECTION B: HUMAN GEOGRAPHY**

- 26) Which of the following techniques is widely used in representing population distribution:

- Dot Maps
- Chloropleth
- Isopleths
- Flow Diagrams.

- 27) Identify the best combination from the following group of factors that explain the high population density in South East Asia.

- Fertile volcanic soils, high birth rates, and intensive rice cultivation.
- Fertile alluvial soils, extensive coastal plains, and ancient civilization.
- Proximity to the ocean, extensive plains and intensive rice farming.
- Heavy industrialization, well developed agricultural sector and transport network.

- 28) The high population density on the slopes of the Mandara Mountains in Cameroon is as a result of:

- Gentle slope and high birth rates.
- Fertile soils and fresh climate.
- Fertile soil and political influence.
- Wars and political influence.

- 29) The total population of an area at any given time is the balance between two main determinants of change. Pick out the most appropriate pair:

- Immigration and Emigration.
- Birth rate and Death Rate.
- Natural increase and emigration.
- Natural change and Net Migration.

- 30) A country with a population growth rate of 0.1% per year would certainly have:

- A Regressive Population Pyramid
- A Progressive Population Pyramid
- An Intermediate Population Pyramid
- A Stationary Population Pyramid.

- 31) A study carried out in 2016 showed that the volume of migration from Bamenda to Yaounde was very high. Recent studies in 2018 now show a drop in the volume of migration because Bafoussam now has industries which are absorbing the migrants. Whose migration theory does this situation portray?

- G.K Zipf
- Everette Lee
- S.A. Stouffer
- Jones and Honsby.

- 32) Which of the following is an effect of Rural- Urban Migration on the departure area?

- Urban Congestion
- Rural depopulation
- Urban Unemployment
- Rural Unemployment.

- 33) Select the group of factors which all constitute Preventive Checks on population growth according to Thomas Malthus.

- Contraceptives, Wars, Abortion.
- Wars, Diseases, Abortions, Contraceptives.
- Late Marriages, Abortions, Contraceptives
- Chastity, Celibacy, Abstinence.

- 1) A country "Z" has large reserves of unexploited natural resources especially petroleum, but the population suffers from low living standards, low per capita income, and a high influx of migrants from neighbouring countries. What kind of Population / Resource relationship is reflected by this?
- Optimum Population
  - Over Population
  - Under Population
  - High Population.

- 35) A culture in which farmlands are continually fragmented to heirs is known as:
- Premogeniture
  - Gavelkind
  - Dowry Customs
  - Kibbutz

- 36) The table below shows the variations in Locational Rent with intensity of agricultural production, as distance from the market changes.

Land Use Type	Market	Production Cost Per Hectare	Transport Cost
Vegetables	600	300	100
Dairying	450	250	200
Rice	150	50	100
Wood	240	100	140

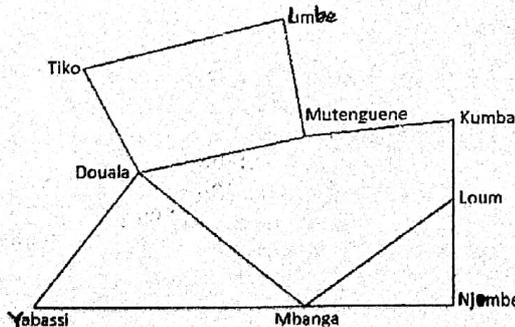
What is the Locational Rent for vegetables, including transport cost?

- 100
  - 140
  - 200
  - 50
- 37) Data collected from the Ndawara Tea Estate show that in 2015, 24,000 tons of tea were harvested from the tea plantation and when processed, it produced 4,000 tons of tea, ready for packaging and marketing. What was the Material Index for that year?
- $\frac{1}{4}$
  - $\frac{1}{6}$
  - 6
  - 4
- 38) If a town has 60% of its working population employed in manufacturing, when the national average is 40%. What will be the Location Quotient?
- 1.5
  - 0.15
  - 0.66
  - 100
- 39) Which of these definitions best expresses the meaning of Isodapanes?
- Where transport cost from some points is equal.
  - It is where total transport cost is equal.
  - Where increased transport cost balances savings on labour cost.
  - Where transport costs are cheapest.

- 40) Study the figure below which shows a topological map of the road network in part of the Coastal Region of Cameroon.

What is the Beta Index of the network?

- 1.2
- 11
- 09
- 19



- 41) Which of the following transport modes below has the highest running cost?
- Rail transport

- Water transport
- Pipeline
- Road.

- 42) Development in which the needs of the present generation are met while leaving the same or an improved resource base for the future generation is known as:

- Economic Development.
- Resource Development
- Sustainable Development
- Socio- Economic Development

- 43) An agreement that was established in 1947 to encourage free and multi-lateral trading is:

- WTO
- GATT
- LAFTA
- CEMAC

- 44) Which of the following combination of factors encourages dispersion of Rural Settlement Pattern?

- Peace
- Abundant Water
- Insecurity
- Soil Infertility.

- ii and iii
- i and ii
- i and iii
- ii and iv.

- 45) Buea is found on the slopes of Mount Cameroon between 100m to 1200m in the Coastal zone at the terminus of the main road from Tiko. This description refers to:

- The situation of Buea
- The height and relief of Buea.
- The surrounding features around Buea
- The Site of Buea.

- 46) The area served by a town from where the town derives much of its sustenance is called:

- Urban Blight
- Urban Fringe
- Urban Sphere of Influence.
- Urban Outskirts.

- 47) The rapid rate of urbanization in Cameroon in recent years can best be attributed to which of the following factors?

- The concentration of social infrastructure in towns.
- High rate of Natural Increase and Rural Exodus.
- Increase in industrialization demanding labour for manufacturing.
- The creation of new administrative units.

- 48) The diagram below represents which of the K- Values as proposed by Walter Christaller:

- K7
- K4
- K3
- K1



- 49) The economic capital of Cameroon (Douala) is confronted with problems of overcrowding, rising rents, acute shortages of housing and substandard houses. Which of the following strategy could be used by the Mayor of the Douala City Council to remedy the situation?

- Provision of subsidies to Douala City dwellers.
- Construction of low-cost houses.
- Construction of access roads.
- Provision of amenities.

- 50) Calculate the population of the 10<sup>th</sup> largest town in Uganda, the population of the largest city (i.e Rank 1) is 5 million.

- 250,000 people
- 2,500,000 people
- 50,000 people
- 500,000 people

**THE END**  
**GO BACK AND READ OVER YOUR WORK**