

NAME 1-2-3	MARKS
ADMISSION NUMBER	

DATE	QUARTER	EXAM	CLASS	SUBJECT
1 ST DECEMBER, 2016	4	ANNUAL	F-1 —	GEOGRAPHY
TIME	TEACHER(S)			
2 HOURS	MR. JUMA (FB) - MR. NDOSHO (FG)			

INSTRUCTIONS:

1. This paper consists of two sections A and B with a total number of 10 questions.
2. Answer **ALL** questions in both sections. Each question carries 10 marks.
3. Good and well labeled diagrams are credited.

SECTION A (30 Marks)

1. Read the following statements carefully then choose the most correct answer from the given alternatives and write its letter in the box provided

- | | | |
|--------|--|---|
| (i) | The earth is made up of four layers which are
A. Atmosphere, Hydrosphere, Asthenosphere and Lithosphere
B. Biosphere, Hydrosphere, Atmosphere and Ionosphere
C. Biosphere, Lithosphere, Atmosphere and Hydrosphere
D. Lithosphere, Atmosphere, Asthenosphere and Biosphere | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (ii) | The needle of a compass points to the
A. Grid North
B. Magnetic North
C. North Pole
D. Polar Star | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (iii) | The relative humidity of a region is low when
A. The temperatures are high
B. The temperatures are low
C. The wet and dry bulb thermometers read the same
D. The difference between the readings of wet and dry bulb thermometers is large | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (iv) | WSW compass direction is equivalent to the following
A. 135°
B. 225°
C. 245.5°
D. 247.5° | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (v) | The following are the main factors that control ocean water salinity except
A. Nature of the underlying rock
B. Amount of the fresh water added into the sea/ocean
C. Vegetation cover
D. Temperature of a place | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (vi) | A representative scale of 1:250,000 can be represented by statement scale as
A. 0.5 to 2.5 km
B. 2 cm to 25 km
C. 1 cm to 250,000 cm
D. 1 cm to 2.5 km | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (vii) | The atmosphere is said to be humid only when
A. It is saturated with water vapour
B. It is not saturated with water vapour
C. It contains water vapour
D. It doesn't contain water vapour | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |
| (viii) | What is the local mean time of Dar es Salaam at 45° E when its noon at Greenwich
A. 3:00 pm
B. 7:00 pm
C. 8:00 pm
D. 10:00 pm | <div style="border: 1px solid black; width: 80px; height: 80px; margin: 0 auto;"></div> |

- (ix) What is the temperature of Olasiti (Arusha) 1400 m above the sea level when it is 28°C in Handeni (Tanga) which is 800m above the sea level?
- A. 31.6°C
B. 3.6°C
C. 24°C
D. 24.4°C

- (x) The dominant climatic condition of East Africa, is known as
- A. Tropical grass land climate
B. Desert climate
C. Mediterranean climate
D. Equatorial climate

2. Match the items in **LIST A** with their response in **LIST B** by writing the letter of the correct response in the space provided.

LIST A	LIST B
(i) The common rainfall in tropics	A. Distributaries
(ii) A name given to the tall grasses in Venezuela	B. Trade wind
(iii) Features formed when small channels join together	C. Cyclonic rainfall
(iv) A place where weather elements are measured and recorded	D. Frost
(v) Another name for asteroids	E. Stevenson's screen
(vi) The diameter of the earth from pole to pole	F. Shooting stars
(vii) Weather station instrument shelter	G. Campos
(viii) Tiny water droplets suspended immediately above the ground	H. 12757 km
(ix) The largest lake in the world	I. Savannah
(x) Planetary winds that blow from subtropical to sub polar regions	J. 12757 miles
	K. Convectional rainfall
	L. Planetoids
	M. Orographic rainfall
	N. Lake Baikal
	O. Weather station
	P. Caspian sea
	Q. Tributaries
	R. Mist
	S. Westerly winds
	T. Ilanos
	U. 12713 km
	V. 12713 miles

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

3. Each of the following statements is either correct or incorrect. Write **TRUE** if the statement is correct or **FALSE** if the statement is not correct.
- (i) Minimum thermometer is filled with alcohol while maximum thermometer is filled with mercury _____
 - (ii) Seasons are more pronounced between $23\frac{1}{2}^{\circ}$ and $66\frac{1}{2}^{\circ}$ of latitude in both hemispheres _____
 - (iii) The sun is the source of all energies on earth _____
 - (iv) Coriolis force causes any moving object to be deflected to the right side in the Southern hemisphere _____
 - (v) Longitudes are measured in degrees either North or South of the Equator _____
 - (vi) When contour lines are very close to one another it means that there is a very gentle slope over the land form _____
 - (vii) Rising and falling in the level of ocean water is called tide _____
 - (viii) When giving a location of a place by using longitude and latitude we are supposed to start with longitude first _____
 - (ix) Time zone is the common time of all countries which belongs to the same standard time _____
 - (x) Cyclonic rainfall is the most common rainfall in highland regions _____

SECTION B (70 Marks)

Answer the following questions accordingly

4. Name

(a) Three (3) types of prevailing winds

- (i) _____
- (ii) _____
- (iii) _____

(b) Two (2) types of clouds that bring rainfall

- (i) _____
- (ii) _____

(c) Five (5) oceans in the world (starting with the largest to the smallest)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

5. (a) Give four results of rotation

- (i) _____

- (ii) _____

- (iii) _____

- (iv) _____

(b) Write down four results of revolution

- (i) _____
- (ii) _____

- (iii) _____

- (iv) _____

(c) Mention any two (2) volcanic mountains found in Tanzania

- (i) _____
- (ii) _____

6. (a) Give any five (5) factors that control temperature of an area

- (i) _____

- (ii) _____

- (iii) _____

- (iv) _____

- (v) _____

(b) Apart from the sun itself write down any other 5 elements that make solar system

- (i) _____
- (ii) _____

- (iii) _____

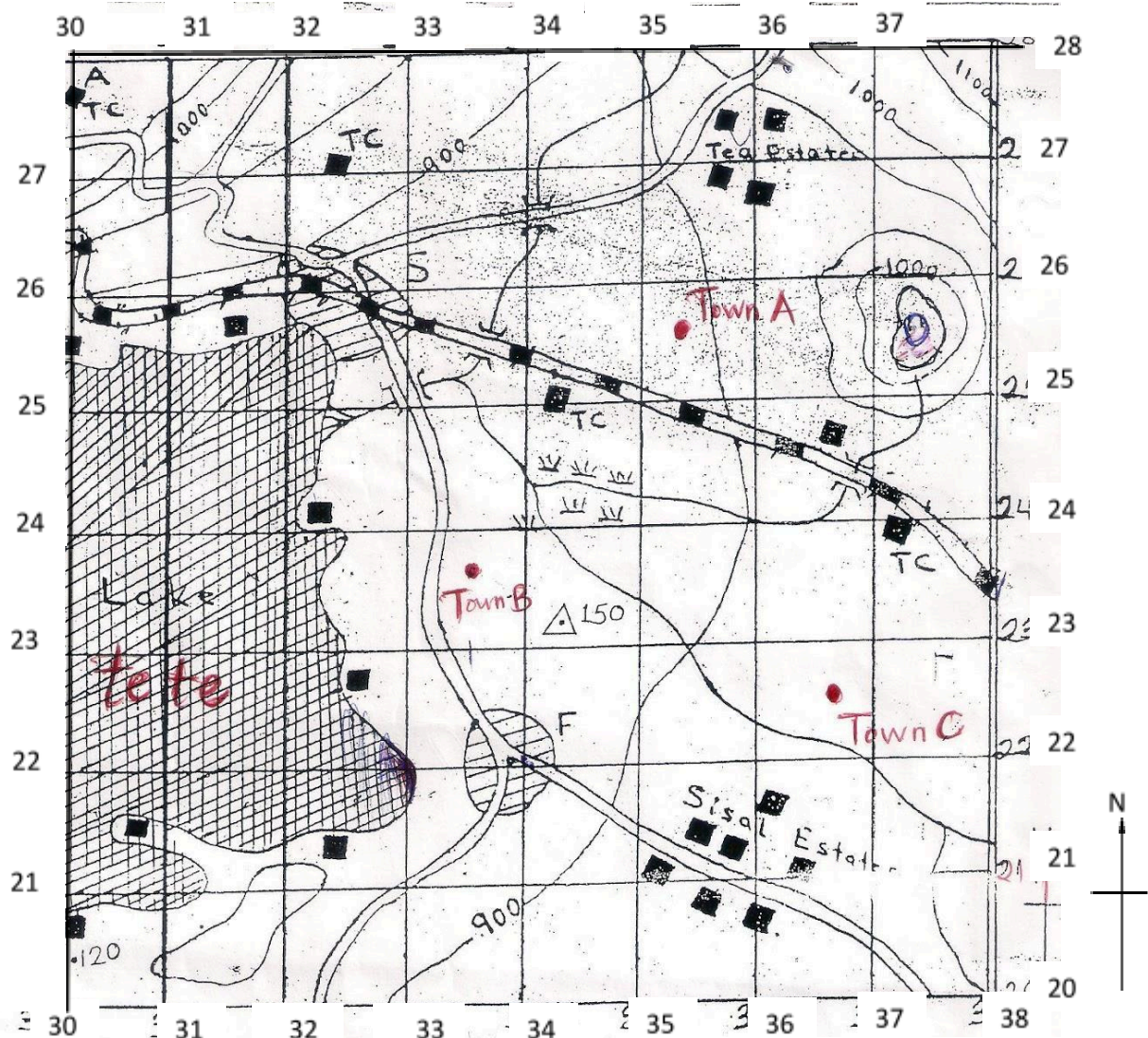
- (iv) _____

(v)

7. Fill in the blanks.

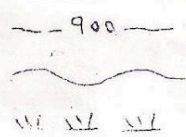
Elements of weather	Instruments used to measure	Isolines (Lines drawn on maps)
(i) _____	Thermometer	Isotherm
Precipitation	(ii) _____	(iii) _____
Pressure	(iv) _____	Isobars
Humidity	(v) _____	(vi) _____
Wind (Speed)	(vii) _____	Isokinetic
Cloud cover	Infrared cloud imager (ICI)	(viii) _____
(ix) _____	Sunshine recorder (Campbel stoke)	(x) _____

8. Study carefully the map given below then answer the questions that follow.
(Assume the side of one square is 2 cm)



Scale: 1:50,000

KEY:



Contours in m
 Permanent streams
 Swamp



Main Road
 Railway
 Bridge
 Town
 Settlement
 Trading Centre

QUESTION NUMBER	QUESTION CHOSEN: PUT A TICK (✓)	FOR EXAMINER'S USE ONLY	
		MARKS	EXAMINER'S SIGNATURE
1.			

2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
TOTAL MARKS			

- (i) Measure the length of the railway line from Grid Reference 300265 to 380234
- (ii) Calculate the area of Tete Forest in km square. (Show the solution)
- (iii) What is the bearing of town A from town B?

(iv) Give the direction of town C from B

(v) Give the Grid Reference of town A.

9. Carefully study the climatic data given for station B and answer the questions that follow

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temperature (°C)	25	24	25	26	27	26	25	24	25	26	27	28
Rainfall(mm)	246	186	185	198	184	174	176	174	194	183	206	260

(i) Calculate the annual mean temperature for the station

(ii) Determine the annual range of temperature for the station

(iii) What type of climate does station B experience?

(iv) Mention 3 main cash crops grown in this station.

a) _____

b) _____

c) _____

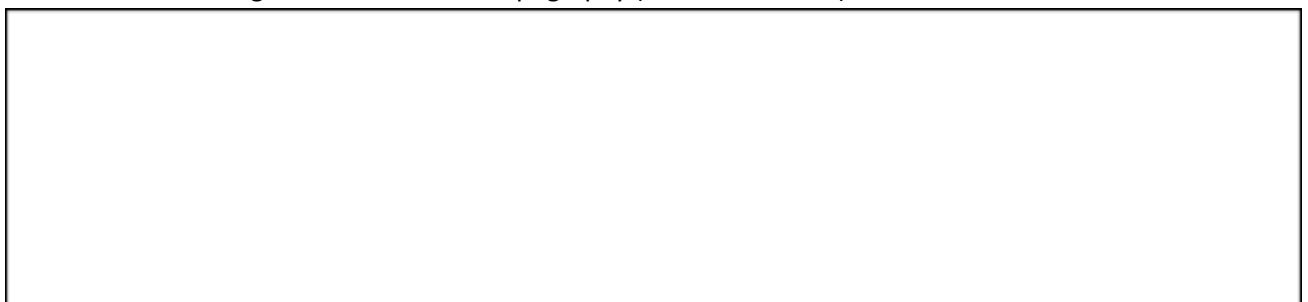
(v) What are the three main economic activities carried out in this climate?

(i) _____

(ii) _____

(iii) _____

10. Draw a well labeled diagram of ocean floor topography (submarine relief)



ALL THE BEST