

TYPE OF TASK: CONTROLLED TEST 2024

SUBJECT	:	GEOGRAPHY
CODE	:	GEOG
GRADE	:	11
TERM	:	ONE
TIME	:	1 HOUR
TOTAL	:	60
DATE OF IMPLEMENTING	:	08 MARCH 2024

INSTRUCTIONS AND INFORMATION

1. All questions are compulsory
2. Number your answers according to the numbering system on the paper
3. Marks will be allocated as follows: $3 \times 1 = 3$ means that three facts must be provided for one mark each.
4. Diagrams and data are there to help you, use it fruitful
5. Write neatly and legibly.

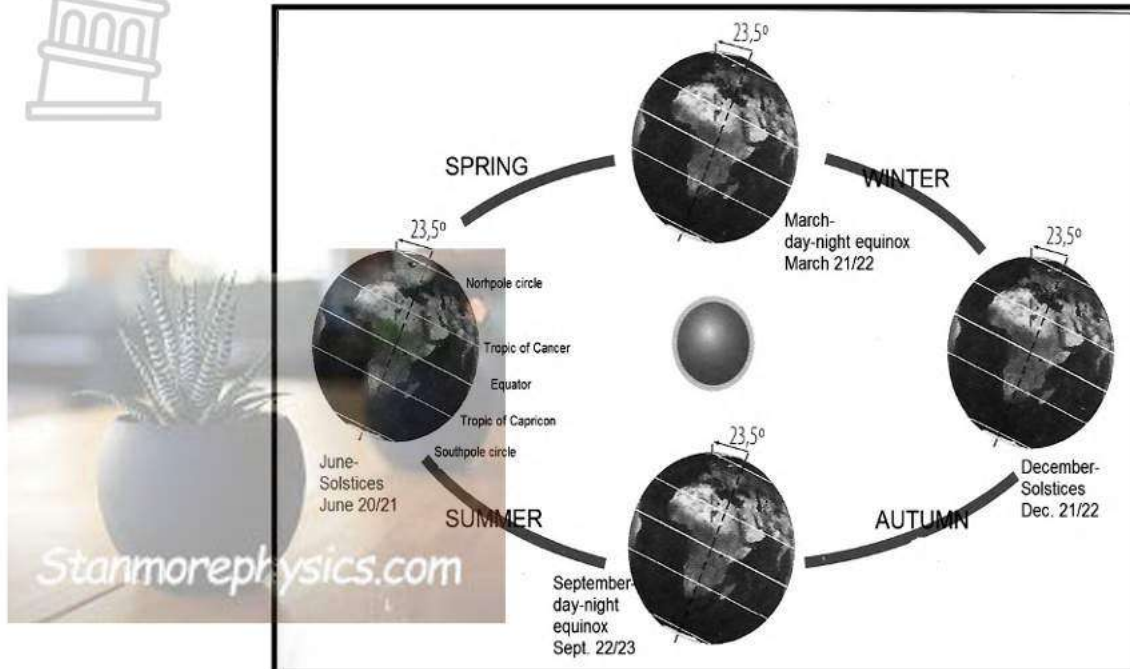


This March controlled test consists of 5 pages

QUESTION 1 – SHORT QUESTIONS

1.1 Use FIGURE 1.1 to answer the following questions. Write the response (in brackets) of your choice next to the question number.

Eg. 1.1.5 Atmosphere



The sketch shows (1.1.1 - Axis rotation / Revolution). This movement of the earth occurs from (1.1.2 - west to east / east to west). It causes (1.1.3 - day and night / seasons). The direct sun rays pass from (1.1.4 - Tropic of Cancer to the Tropic of Capricorn / Equator and the Tropic of Capricorn). The area within which the direct sun moves, are known as the (1.1.5 - tropics/mid latitudes) (5x1) (5)

1.2 Match the description in Column B to the correct term / word from Column A.

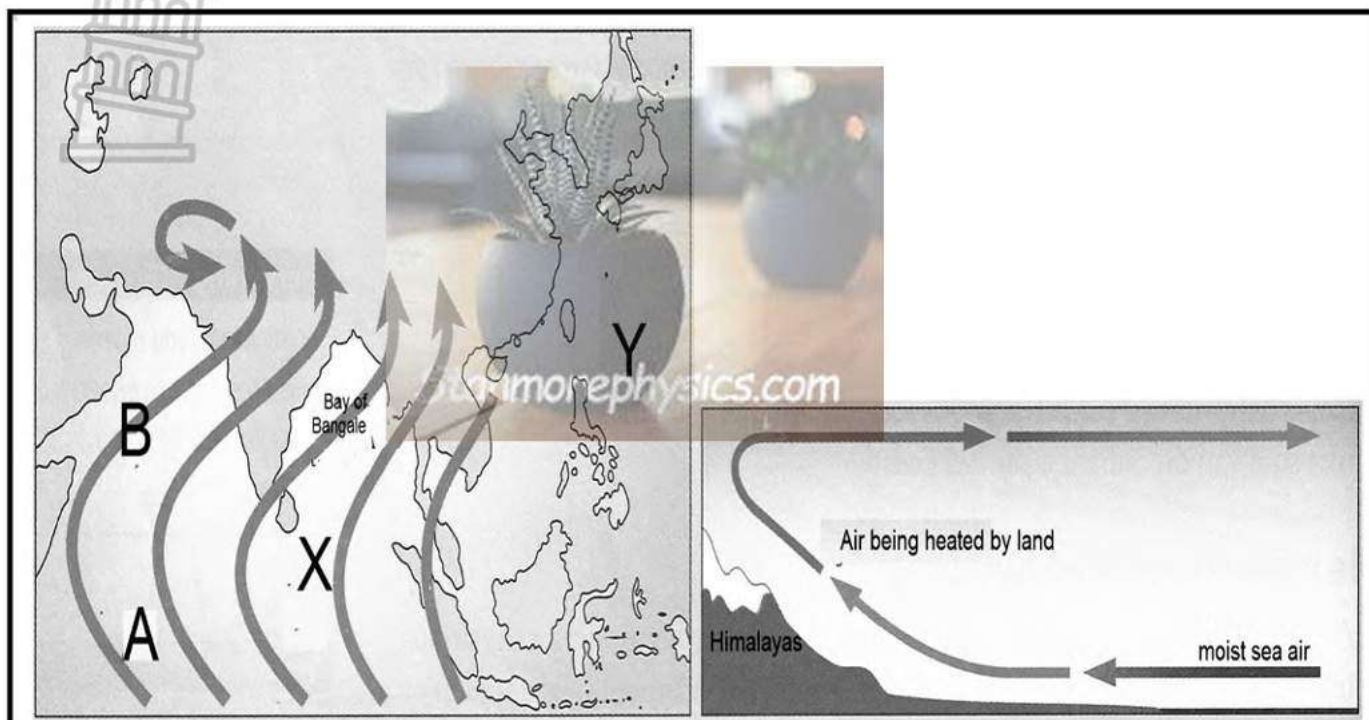
Write the question number (1.2.1 - 1.2.5), and to the correct letter (A - E) from Column B. e.g. 1.2.6 F

	COLUMN A		COLUMN B
1.2.1	Impact Assessment	A	The ability of a region to sustain people and animals
1.2.2	Salination	B	The quality or potential of soil reduces or deteriorate
1.2.3	Carrying capacity	C	It occurs when water bodies drops below a certain average
1.2.4	Soil Degradation	D	A study to determine the extent / size of an ecological problem
1.2.5	Hydrological drought	E	The building up of salts in water that was previously fresh

(5x1) (5)

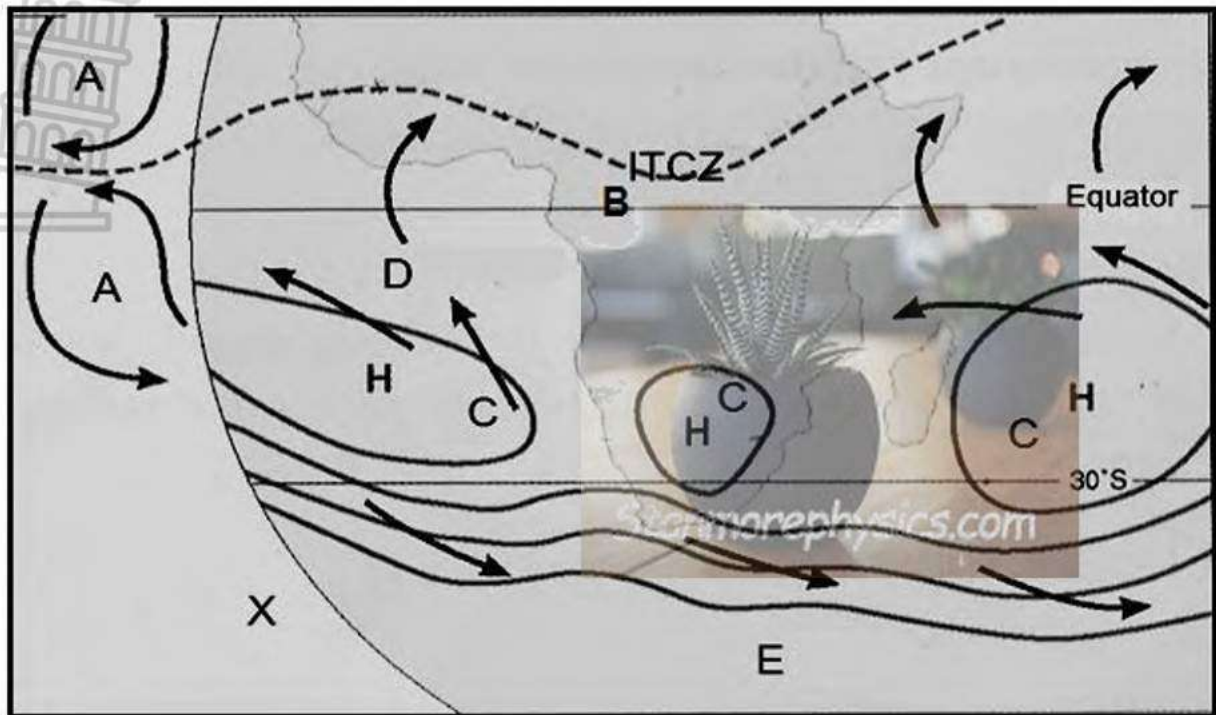
QUESTION 2

2.1 Refer to FIGURE 2.1, the monsoon conditions in a certain season illustrate, to answer the following questions:



- 2.1.1 Is this situation illustrated by the sketch, representing the WET or DRY season? (1x1) (1)
- 2.1.2 Label the oceans **X** and **Y** respectively. (1+1) (2)
- 2.1.3 Provide the respective directions of the winds marked **A** and **B**. (1+1) (2)
- 2.1.4 Briefly explain why the winds change direction. (2x2) (4)
- 2.1.5 Use both pictures and briefly explain how the Himalaya mountains affect the rainfall pattern in the area. (3x2) (6)

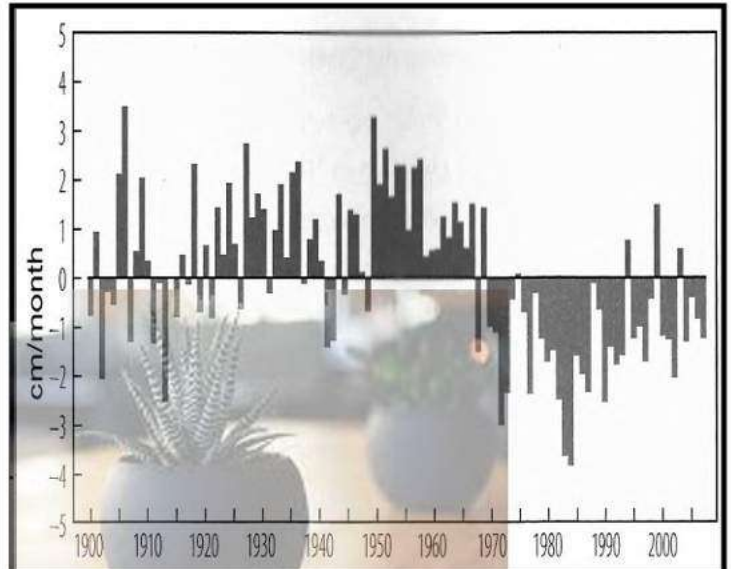
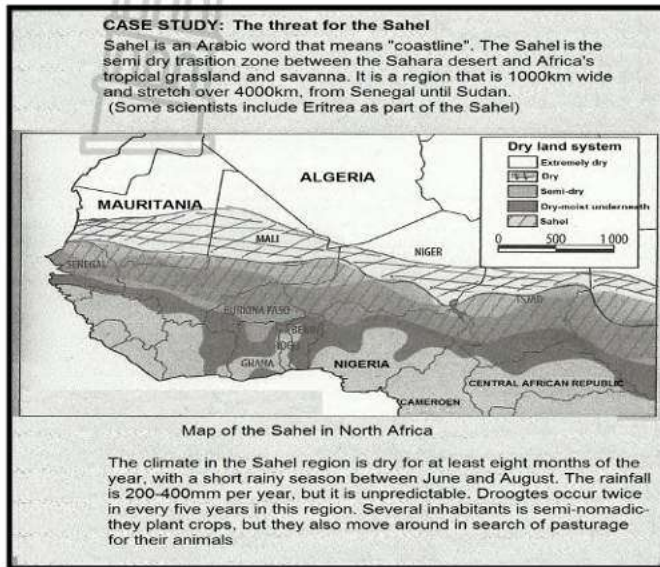
- 2.2 Study FIGURE 2.2 illustrating the global air circulation over Southern Africa and answer the following questions



- 2.2.1 Name the air circulation cell labeled **A**. (1x1) (1)
- 2.2.2 Briefly explain why this cell is called a convection cell. (2x2) (4)
- 2.2.3 Which global air circulation cell will occur at **X**? (1x2) (2)
- 2.2.4 Give the air pressure belts **B** and **C** respectively. (2x1) (2)
- 2.2.5 Briefly explain how the pressure belt developed at **B**. (2x2) (4)
- 2.2.6 Decreasing air dominate the pressure belt area around **C**. Provide TWO weather characteristics of the areas affected by these belts. (2x2) (4)
- 2.2.7 Provide the name the wind belts **D** and **E** respectively. (2x2) (4)

QUESTION 3

- 3.1 Read the case study "The threat to the Sahel" (FIGURE 3.1A) carefully in conjunction with the rainfall index (FIGURE 3.1A) of the Sahel over the years, and answer the following questions



- 3.1.1 Define the following terms:

- a) Desertification
- b) Drought

(2x2)(4)

- 3.1.2 Use the information in the text and call one physical and one human factor threaten the Sahel.

(2x1)(2)

- 3.1.3 Use data rainfall index data and briefly explain the rainfall situation from 1970 to 2010.

(2x2)(4)

- 3.1.4 Explain TWO negative economic effects of droughts.

(2x2)(4)

TOTAL: 60



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Marking guidelines



This March controlled test consists of 3 pages

QUESTION 1

1.1

1.1.1 revolution (1)

1.1.2 West to east (1)

1.1.3 seasons (1)

1.1.4 Tropic of Cancer to the Tropic of Capricorn (1)

1.1.5 tropics [5]

1.2.

1.2.1 D (1)

1.2.2 E (1)

1.2.3 A (1)

1.2.4 B (1)

1.2.5 C (1)

[5]

[10]

QUESTION 2

2.1

2.1.1 Wet season (1)

2.1.2 X: Indian (1)

Y: Pacific (1)

2.1.3 A: southeast (1)

B: southwest (1)

2.1.4 Plateau is warmer than the oceans. Lower pressure over the interior as the oceans. ✓ ✓

Pressure higher over the Indian ocean. Wind blows from a high pressure to a lower pressure. ✓ ✓

(2x2)

- 2.1.5 Southwest winds bring warm and moist air to the Indian subcontinent. ✓ ✓ The moist air do not reach the interior because of the Himalaya mountains ✓ ✓ The moist air on the southern side of the mountain bring rain in this area. ✓ ✓ These winds are responsible for the wet season. ✓ ✓ (3x2)
- 2.2.1 A: Hadley cell (1)
- 2.2.2 The intense heat at the equator ✓ ✓ let the warm, moist air rises, convection is taking place, and a very low pressure develops on the surface. ✓ ✓ (2x2)
- 2.2.3 Ferrel cell (2)
- 2.2.4 B: Equatorial low C: Subtropical high (2x1)
- 2.2.5 The heat is very intense at the equator ✓ ✓ let warm, moist air rises and a very low pressure develops at the surface ✓ ✓ (2x2)
- 2.2.6 No clouds, no condensation.
Warm, dry air weather conditions (2x2)
- 2.2.7 D: Tropics
E: Westerly wind belt (2x2)
- [36]**
- QUESTION 3**
- 3.1.1 i) Desertification: process whereby once fertile areas become increasingly more arid. (2x2)
- ii) Drought: a long period with little or no rain
- 3.1.2 physical: drought / short rain season (1)
human: inhabitants are semi-nomadic, they move around/ don't have enough pasturage for their animals (1)
- 3.1.3 Serious decrease in rainfall from 1970 to 2010. (2x2)
1985 the decrease was drastic.
- 3.1.4 Less agricultural production due to shortage of water (2x2)
Stock farmers will be forced to slaughter their animals at low prices
drying out of crops
Increased food prices
Food starvation (any possible answers)

TOTAL:60