

S.2 GEOGRAPHY MARKING SCHEME, FEBRUARY 2014

SECTION A:

- | | | | | | |
|-----|---|-----|---|-----|---|
| 1. | C | 11. | A | 21. | B |
| 2. | A | 12. | A | 22. | A |
| 3. | C | 13. | B | 23. | A |
| 4. | A | 14. | C | 24. | C |
| 5. | C | 15. | D | 25. | D |
| 6. | A | 16. | A | | |
| 7. | D | 17. | B | | |
| 8. | D | 18. | B | | |
| 9. | C | 19. | C | | |
| 10. | A | 20. | D | | |

1 Mark @ = (25 marks)

SECTION B

26. (a) Mark allocation for the graph:

- Complete/descriptive title (1mark)
- Consistent and labeled temperature scale (1mark)
- Consistent and labeled precipitation scale (1mark)
- Well labeled horizontal axis (1mark)
- Shading of the bar graph (1mark)
- Accuracy of the line graph (2marks)
- Accuracy of the bar graph (2marks)

Total = (9 marks)

(b) (i) Temperature of the hottest month is = **19°C** (1 mark)

(ii) Month with the least precipitation is **September** (1 mark)

(c) (i) Calculation of the annual range of temperature

Highest temperature – Lowest temperature

$$= 19^{\circ}\text{C} - 1^{\circ}\text{C}$$

$$= \mathbf{18^{\circ}\text{C}}$$

(1mark)

(1mark)

(ii) Calculation of the annual precipitation:

= Sum of the monthly rainfall totals

$$= 50+45+55+45+55+70+80+70+40+60+55+50$$

$$= \mathbf{675 \text{ mm}}$$

(1mark)

(1mark)

- (d) (i) Characteristics of the climate experienced at station **A**:
- Moderate or low precipitation of 675 mm is received.
 - Precipitation is well distributed throughout the year.
 - There is a single maximum/one peak of precipitation i.e. from June to August.
 - Periods/months of hotter temperatures are generally characterized by heavy precipitation.
 - Generally low/cool temperatures are experienced i.e. an average of 8.4°C (8 – 9°C).
 - There is a high temperature range of 18°C.

Any 4 x 1 = (4 marks)

(ii) The type of climate is **temperate climate**.

(1 mark)

(e) Reasons why an area may experience low rainfall:

- Prevalence of dry/desiccated winds.
- Location in a rain shadow or leeward side of a highland.
- Absence/lack of or remoteness from large water bodies.
- Proximity or nearness to a cold ocean current.
- Existence of limited or semi-desert type of vegetation.
- Environmentally unfriendly human activities like deforestation, bush burning, overgrazing etc.

Any 5 x 1 = (5 marks)

TOTAL = (25 MARKS)

GRAND TOTAL = (50 MARKS)