



education

Department:
Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 10

AGRICULTURAL SCIENCE P1

NOVEMBER 2006

This memorandum consists of 5 pages.

Question 1.1 / Vraag 1.1

1.1.1	A	X	C	D
1.1.2	A	X	C	D
1.1.3	A	B	C	X
1.1.4	A	B	C	X
1.1.5	A	B	X	D
1.1.6	X	B	C	D
1.1.7	A	B	C	X
1.1.8	A	B	C	X
1.1.9	A	X	C	D
1.1.10	A	B	X	D

Question 1.2 / Vraag 1.2

- 1.2.1 Mulching
- 1.2.2 Secondary Industry
- 1.2.3 Balanced Diet
- 1.2.4 World Trade Organisation
- 1.2.5 Malnutrition

Question 1.4 / Vraag 1.4

- A. E
- B. C
- C. D
- D. B
- E. A

QUESTION 2: AGRO- ECOLOGY

2.1.1 Ecosystem

(1)

- 2.1.2 (a) B, E, G
- (b) B, C
- (c) F

(any 2) (2)

(2)

(1)

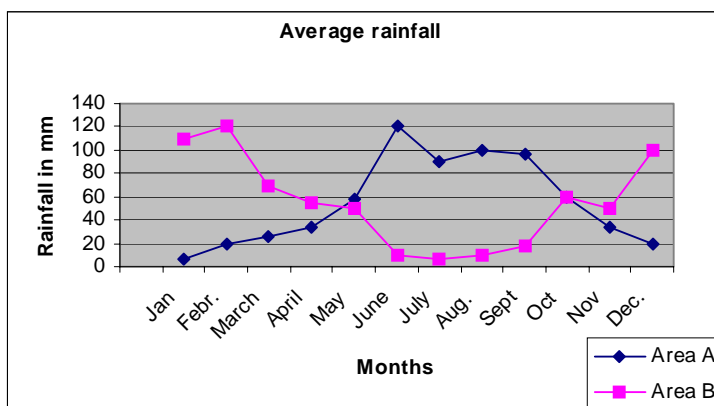
- 2.1.3 Producer – photosynthesis (2)**
- 2.1.4 B - Will increase (3)**
 - Overgrazing will take place
 it influence the farming system(milk production) [11]
- 2.2.1 A - Neutralism / Co-operation (3)**
B - Mutualism
C - Parasitism
- 2.2.2 A and B (2)**
 [5]
- 2.3.1. X-northern slope (4)**
 - South-Africa-is situated in the southern hemisphere and receives sun rays from a northerly direction.
 - sun rays more direct
 - more energy is absorb-warmest
- 2.3.2 Northern slopes are warmer and dryer (4)**
 - greater light intensity
 - surface more perpendicularly
 - plant vegetation is more xerophytic
 - more runoff water – erosion [8]
- 2.4.1 A - Sweet veld (3)**
B - mixed veld
C - Sour veld
- 2.4.2 Adaptation of grasses to rainfall and the temperature, will determine the veld types (2)**
- 2.4.3. - Sweet veld-found in areas with low rainfall areas, 250-500 mm (6)**
 - High temperatures almost no frost
 - Mixed veld-Rainfall is neither high nor low
 - The temperature is ideal (not high or low)
 - Sour veld-develops in areas with high rainfall more than 650mm
 - Low rainfall with cold winter areas [11]
 {35}

QUESTION 3: AGRICULTURAL INDUSTRIES

- 3.1.1 Law that affected communities living in South Africa. (1)**
- 3.1.2 Restitution act of 1994.Agriculture and land ownership. (2)**
- 3.1.3. - Right to own land (3)**
 - Farming
 -Tourism
- 3.1.4 - Soil supplies space**
 - Supplies raw materials

- supplies food
- supplies minerals (any 3)(3)
- 3.2.1 Promoted the interests of farmers and the farming industry. [9]
- 3.2.2 - Agri. S.A. (2)
- Provincial agri unions (3)
- District farmers unions (5)
- 3.3.1 - Saving and pollution of water (2)
- Supply water to everybody
- 3.3.2. - Careful use of natural resources
- Preventing the loss of soil
- Ensuring that water resources are use carefully (any 2)(2)
- Protecting natural vegetation
- 3.3.3 - Improve the assess to markets
- Marketing more efficient
- Strengthen the whole agricultural sector (any 2)(2)
- Increase the amount and value of agricultural export [6]

3.4.1



- 3.4.2 A-June (5)
 - B-February (2)
 - 3.4.3. Area A-winter, highest rainfall during June-August. (4)
 - Area B-summer, highest rainfall during December-February
 - 3.4.4. Area A-wheat and a fruit – deciduous (peaches, plums, apricots, apples, pears) and wine grapes.
 - Area B-maize, ground nuts, sunflowers, and fruits (tropical-, subtropical-, deciduous and wine grapes) (4)
- [15]
/35/

QUESTION 4: ANIMAL SCIENCES

- 4.1.1 (a) Helps people enjoy life –dogs, cats, ornamental fish, horseback riding (2)
- (b) Special training – dogs in police canine units and horses (2)
- (c) Putting the manure back on soil (2)
- (d) Increase the farming income (2)
- [8]
- 4.2.1 Veal
- 4.2.2 Beef
- 4.2.3 Lamb

