

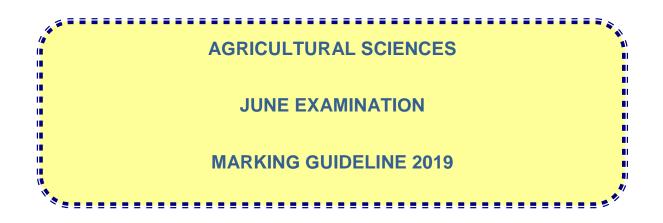
Education and Sport Development

Department of Education and Sport Development Departement van Onderwys en Sport Ontwikkeling Lefapha la Thuto le Tlhabololo ya Metshameko

NORTH WEST PROVINCE

PROVINCIAL ASSESSMENT





MARKS: 150

TIME: 2 Hours 30 Minutes

This marking guideline consists of 8 pages including cover page.



SECTION A

QUESTION 1

1.1

1.1.1 $C \sqrt{1}$ 1.1.2 $B \sqrt{1}$ 1.1.3 $A \sqrt{1}$ 1.1.4 $A \sqrt{1}$ 1.1.5 $B \sqrt{1}$ 1.1.6 $D \sqrt{1}$ 1.1.6 $D \sqrt{1}$ 1.1.7 $A \sqrt{1}$ 1.1.8 $D \sqrt{1}$ 1.1.9 $C \sqrt{1}$ 1.1.9 $D \sqrt{1}$

1.2

- 1.2.1 BOTH A AND $B\sqrt{\sqrt{12.2}}$ A ONLY $\sqrt{\sqrt{12}}$
- 1.2.3 BONLY $\sqrt{1}$
- 1.2.4 A ONLY $\sqrt{1}$
- 1.2.5 NONE $\sqrt{\sqrt{}}$

1.3

- 1.3.1 Processing/ Value adding $\sqrt{\sqrt{}}$
- 1.3.2 Urbanization/ Rural-urban exodus $\sqrt{\sqrt{}}$
- 1.3.3 Population dynamics $\sqrt{\sqrt{}}$
- 1.3.4 Broilers $\sqrt{\sqrt{}}$
- 1.3.5 Nguni breed $\sqrt{\sqrt{}}$

1.4

- 1.4.1 Output $\sqrt{}$
- 1.4.2 Veld managemen t $\sqrt{}$
- 1.4.3 Parasitism $\sqrt{}$
- 1.4.4 Draught horse breed $\sqrt{}$
- 1.4.5 Free range system $\sqrt{}$

(1 X 5) = [5]

(2X10) = [20]

(2X 5) = [10]

(2 X 5) =[10]

[SUB TOTAL: SECTION A = 45 MARKS]

(2x3=6)

(1x7=7)

[10]

(1)

SECTION B

QUESTION 2: AGRO- ECOLOGY AND AGRI-INDUSTRY

2.1

2.1.1 Farming practices which may cause overgrazing

- Overstocking√√
- Continuous grazing $\sqrt{\sqrt{}}$
- Selective grazing. $\sqrt[4]{}$
- 2.1.2 Farming practices which a farmer may apply to keep the veld in a good condition.
 - Camps√
 - Optimum stocking density/rate (-correct animal : land ratio) $\sqrt{}$
 - Rotational grazing and resting $\sqrt{}$
 - Zero grazing. $\sqrt{(1x4=4)}$
 - [10]

2.2

2.2.1 The seven biomes of South Africa.

- ➤ A-Succulent Karoo / Mediterranean vegetation √
- ➢ B- Nama Karoo / Semi-desert- Grassland√
- > C-Grassland $\sqrt{}$
- ▶ D- Savannah√
- ➢ E- Fynbos√
- F- Forest√
- ➤ G- Thicket. √
- 2.2.2 Biome A and E rainfall season
 - Winter (1)
- **2.2.3** Abiotic factors that determine the type of plants in a biome.
 - Climate [-rainfall and temperature] $\sqrt{}$
 - Soil/Edaphic factor $\sqrt{}$
 - Topography/ Relief / Terrain√
 - Slope / Aspect / Orientation. $\sqrt{}$ any two (1x2=2)

2.3 Carbon cycle

2.3.1 Food components in which Carbon is an important element/atom

- Carbohydrates√
- Fats√
- Proteins $\sqrt{}$ (3)

2.3.2

Photosynthesis√

3

~ ~ ~

					[35]
	c. Milk				(1) [9]
	b. Wheat				(1)
	a. Grapes				(1)
Raw	materials used to produce the fo	od listed.			
_	• Smoking $$		(any 3)	(3)	
	• Freezing √				
	• Canning $$				
	• Drying $$				
2.4.2	Ways of food processing.				
	• Provide foreign exchange. $$		(Any 3	3)	(3)
	 Provide economic stability√. 				
	• Job creation. $$				
	 Provide raw material. √ 				
2.4. 2.4.1	 Importance of agriculture Provide food. √ 				
					[6]
	 Fossilisation√ Combustion√ 	(Any 2)			(2)
	• Decomposition $$				
	• Respiration $$				
2.3.3					

QUESTION 3

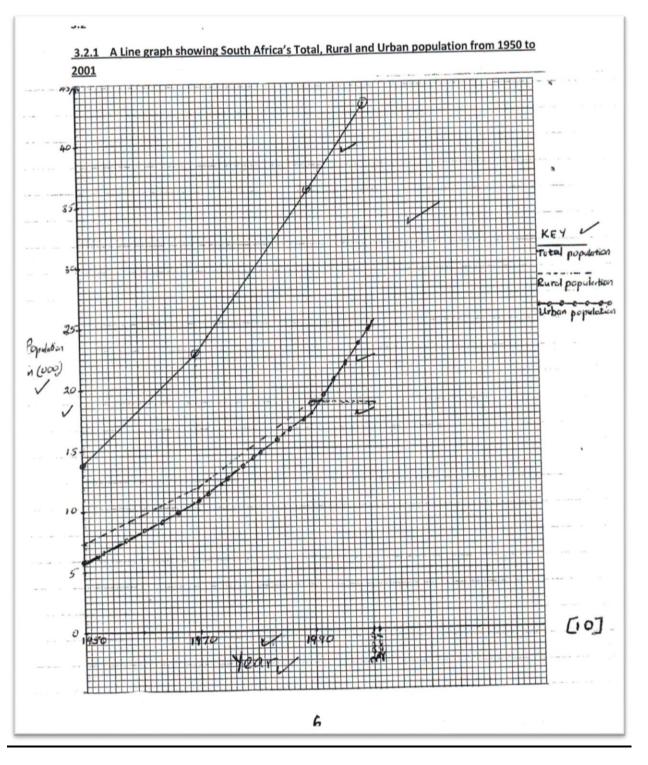
3.1

3.1.1 The negative effect of HIV/AIDS on the Agricultural industry.

- Loss of indigenous knowledge about food production which has to be passed on to the next generation $\sqrt{\sqrt{}}$.
- Loss of skills√√.

[2x5=10]





CHECKLIST

- Correct heading $\sqrt{}$.
- Y- axis correctly calibrated and labelled $\sqrt{}$
- Correct units $\sqrt{}$

Demo NW/JUNE/AGRSC/ EMIS/6******

5

- Correct plotting $\sqrt{\sqrt{\sqrt{1}}}$ ٠
- Line graph√
- Key √
- Accuracy $\sqrt{}$

3.2.2

(a)No $\sqrt{}$ -there is a decline in rural population between 1990 and 2001 $\sqrt{}$.

- (b) Rural population. $\sqrt{}$
- (c) After 1990. √

Reasons for an increase in urban population after 1990. (d)

(2)

- Unbanning of South African black political parties, apartheid was dismantled; this removed the restriction of movements. $\sqrt{}$
- After 1994—majority of the people (Blacks) gained power and so bought homes/houses in cities. $\sqrt{}$
- People were empowered this lead to the emergency of the middle class. $\sqrt{}$
- After the lifting of sanctions, South Africa become part of the global world and so, more tourist/Job seekers/foreign investors settled in urban areas. $\sqrt{}$

NB. Any sensible answer/ related to post-apartheid era. **Any 3** (3)

[17]

3.3.1 Types of Land tenure system of South Africa.

- Communal land. $\sqrt{}$
- State land [State hold]. √
- Permission to Occupy [PTO]. $\sqrt{}$
- Leasehold/Freehold/ Title deed/ Private ownership. $\sqrt{}$
- Labour tenancy [tied] occupation.√

3.3.2 The three [3] main Land Reforms

- Land restitution. $\sqrt{}$
- Land redistribution. $\sqrt{}$
- Tenure reform. $\sqrt{}$

QUESTION 4

- 4.1.
- 4.1.1. Brahman√
- 4.1.2. African type (Bos indicus) $\sqrt{}$

Reasons

- adapted for African conditions/ pigmentation on skin area $\sqrt{}$
- Large loose skin area for cooking $\sqrt{}$
- No fur on skin $\sqrt{}$
- Large hump/ large body size $\sqrt{}$

(Any One relevant reasons) (1 + 1 = 2)

Demo.

NW/JUNE/AGRSC/ EMIS/6****

(1x3=3)

(1)

(1)

[8]

[35]

[1x5=5]

(1)

6

4.1.3. Male/ bull $\sqrt{}$

Supporting reasons

- Heavy animal/ large body/ prominent muscle formation $\sqrt{}$
- Large head√
- prominent male reproductive organs (Scrotum /testicles) $\sqrt{}$

(Any three characteristics) (1 + 3 = 4) [7]

4.2 **Comparison:**

4.2.1 Between beef cattle and dairy cattle

Beef cattle	Dairy cattle			
 Beef cattle have been bred for their high meat production√ Long productive lives and resistance to disease√ Block shaped√ 	 Dairy cattle have been bred for their high milk yield√ They have high butter-fat percentage√ Wedge shaped√ 			
Award only One comparison: 1+1=2				

Mutton sheep	Wool sheep
Mutton sheep are bred for their flavour-	Wool sheep are bred for their
some meat. $$	wool quality and easy care $$
Have more frequent lambing ability and	• Also bred for the combination of
hardiness in harsh environment. $$	meat and wool $$

Award only One comparison: 1+1=2 [4]

4.3 **Characteristics of wool fibre that adds value in the textile industry**

- Unique fibre characteristics of wool $\sqrt{}$
- Good staple length and strength $\sqrt{}$
- Natural coloured fibre $\sqrt{}$
- More crimp (natural waviness) per unit length. $\sqrt{}$

Any 3 [3]

4.4

	Main product	By-product	
4.4.1 Pig	Pork/ Meat√	Glue, Brushes, bone-meal $\sqrt{}$	
4.4.2 Poultry	Eggs & Meat√	Dusters, Cushion/pillow fillers $\sqrt{}$	
	Main product 1	3 x 2 = 6 [6]	
	Any two By products 2	-	

Any two By-products 2

4.5 The purpose of breeding game animals

NW/JUNE/AGRSC/ EMIS/6****** 7

(2)

(2)

[3]

Mark any 2

- Tourism√
- Meat√
- Hides√
- Trophy hunting√ (any 3)

4.6 Dorper sheep

4.6.1 The 2 breeds that were cross-bred to develop the Dorper sheep Dorset Horn $\!$ and

• Blackhead Persian ewe. $\sqrt{}$

4.6.2 Characteristics of Dorper ewes

- Are highly fertile (they begin breeding at 7 months old). $\sqrt{}$
- Can lamb three times in two years if conditions are favourable. \checkmark
- Have well-developed udders $\sqrt{}$
- Produce fast growing lambs (they normally have twins) $\sqrt{}$ and
- Produce lambs with a low mortality rate. $\sqrt{}$

4.7 Questions on pig breeds

- 4.7.1 Pork√
- 4.7.2 Bacon (streaky or side) $\sqrt{}$
- 4.7.3 Ham √`
- 4.7.4 Gammon √
- 4.7.5 Porkers $\sqrt{}$

(1x5=5)

4.8 **Differences between a Saanen goat's milk and cow's milk**.

- Have finer globules of cream than cow's milk $\sqrt{}$
- Has lower levels of lactose than cow's milk $\sqrt{}$
- Is sweeter, smoother and creamier than cow's milk

[35]

[TOTAL =150]