KENYA NATIONAL EXAMINATION COUNCIL
KCSE, 2014

AGRICULTURE PAPER 2
ANALYSIS

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3.8.4 Agriculture Paper 2 (443/2)

Question 14

State **four** reasons why kids should be weighed immediately after birth. (2 marks)

Weaknesses

Most of the candidates did not understand the reasons for weighing a kid after birth. Most of them only gave one response, ''to determine birth weight".

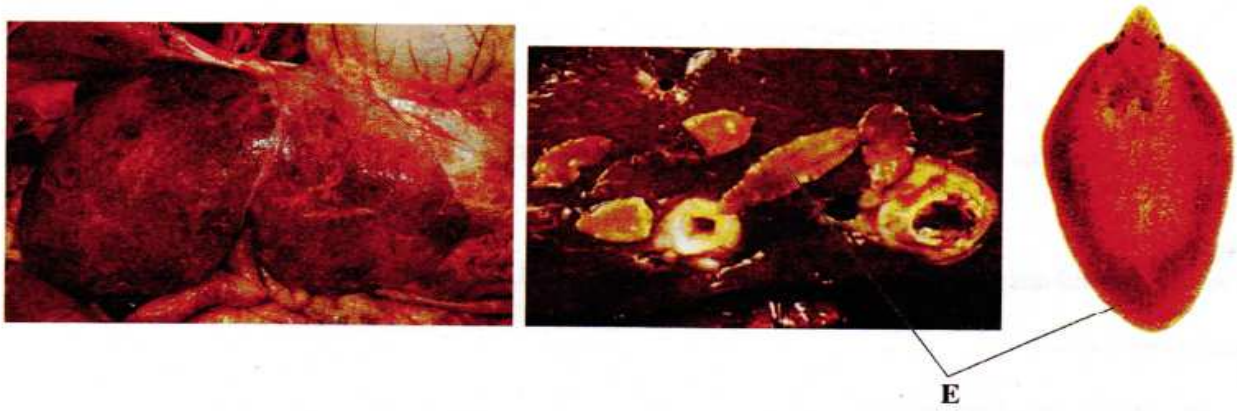
Expected responses

Manage market weight
Determine birth weight
Determine growth rate

Manage feeding
Determine weaning stage
Determine mothering ability

Question 16

The picture below illustrates a livestock organ infested by a parasite labelled **E**.



(a) Name the disease the livestock is suffering from. (1 mark)

(b) Identify the parasite labelled **E**. (1 mark)

(c) State **two** control measures for the parasite. (2 marks)

(d) State **two** signs of infestation shown in the picture above. (2 marks)

Weaknesses

16 (a) Most candidates were not able to name the disease.
16 (d) Many candidates were not able to infer the signs of infestation from the picture.

Expected responses

(a) Fascioliasis;

(b) *Fasciola hepatica*;

(c) Control the secondary host/snail;
Drenching using antihelmintics;
Burning pastures;
Avoid grazing in marshy areas;

(d) Damaged liver/organs;
Presence of the parasite;
Turnels of parasite movements;

Question 19 (a)

(a) Describe upgrading as a method of improving indigenous cattle for milk production.
(8 marks)

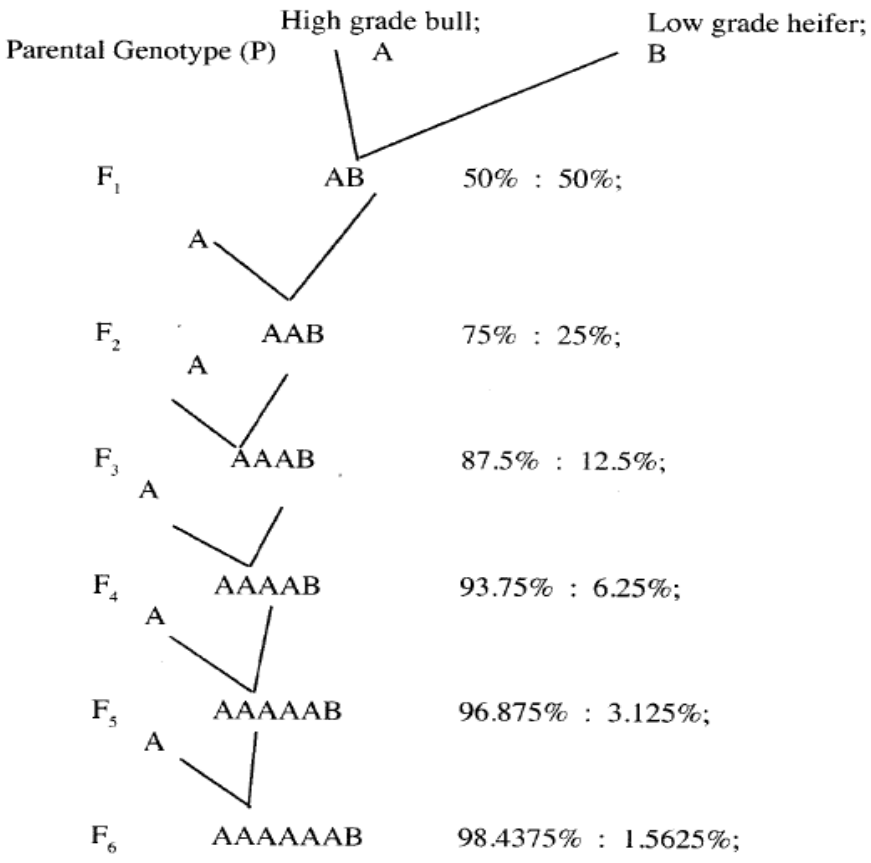
Weaknesses

Many candidates were not able to describe upgrading as a method of breeding in cattle. The syllabus requires the candidates to describe breeding systems.

Expected responses

(a) Select a high grade pure breed bull; and a well managed low grade heifer;
Mate them to produce a heifer with half of the sire's genes;
Mate the heifer with a sire of the same pure breed as original sire;
Subsequent; heifers should be mated with sires of the same pure breed as original sire;
upto the sixth cross/generation; to produce a hygrade heifer with over 98% genes of the pure breed high grade bull;

or



(8 marks)