



SLIATE

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Higher National Diploma in Technology (Agriculture)

Second Year, Second Semester Examination - 2016

AG 2215: Animal Feed Technology

Instructions for Candidates:

The question paper contains part I and Part II

Answer all the questions in Part I.

Answer only **02 questions in Part II.**

No of questions : 05

No of pages : 03

Time: **One and half (1 & 1/2) hours**

PART – I

Question 01 (Total 20 marks)

(i) Define a balanced diet in feeding animals. **(04 marks)**

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.....

(ii) List out four (04) examples for fodder legumes. **(06 marks)**

- a)
- b)
- c)
- d)

(iii) Identify four (04) adverse effects of continuous grazing system. **(06 marks)**

- a)
- b)
- c)
- d)

(iv) Name four (04) different components of TDN (Total Digestible Nutrients). **(04 marks)**

- a)
- b)
- c)
- d)

Question 02. (Total 20 marks)

(i) Identify four (04) characteristics of good quality silage. **(06 marks)**

- a).....
- b).....
- c).....
- d).....

(ii) Give five (05) different materials required in making urea treated straw. **(05 marks)**

- a)
- b)
- c)
- d)
- e)

(iii) List out four (04) methods involving in feed formulation for farm animals. **(04 marks)**

- a)
- b)
- c)
- d)
- e)

(iv) Name five (05) grasses which are recommended for low country wet zone. **(05 marks)**

- a).....
- b).....
- c).....
- d).....
- e).....

PART – II

Answer **two (02)** questions only.

Question 03. (Total 30 marks)

- (i) Explain the importance of proper feeding in animal husbandry. (06 marks)
- (ii) Describe the factors affecting effective grazing management. (12 marks)
- (iii) Compare pure stand with mix stand in establishing grasses and legumes. (12 marks)

Question 04. (Total 30 marks)

- (i) Explain the importance of forage quality. (08 marks)
- (ii) Describe zero grazing system in managing forage. (08 marks)
- (iii) What are the major steps of silage making? (14 marks)

Question 05. (Total 30 marks)

- (i) Formulate a 14 percent crude protein ration using ground nut meal (45 percent crude protein) and maize (10 percent crude protein). (06 marks)
- (ii) A goat ate 02 kg of Gunia grass containing 25 percent dry matter (DM) and excreted 0.80 kg of faeces containing 20 percent dry matter. Calculate the dry matter digestibility of Gunia grass. (10 marks)
- (iii) Identify major characteristics of a ration in feeding farm animals. (14marks)