

B.Sc. (Honours) Agriculture Semester-I Examination, 2018

Course No: ANS-111
(Livestock and Poultry Management)

Signature of Centre Superintendent

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 50

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 30 minutes

Full marks : 20

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. **Fill in the blanks with most appropriate words (*any five*):** 1.0×5=5.0

- a) An important goat breed of West Bengal is _____.
- b) Broiler birds are generally been marketed at the age of _____.
- c) Poultry eggs require _____ days to hatch out.
- d) Act of parturition in sheep is known as _____.
- e) Piglet anaemia occurs due to deficiency of _____.
- f) Common protein sources in commercial bird's diet is _____.
- g) _____ is a viral disease of livestock.

2. **Tick (✓) the correct alternative (*any five*):** 1.0×5=5.0

- a) A layer bird (poultry) used to start laying at the age of
i) 10 wks ii) 24 wks iii) 30 wks iv) 40 wks
- b) The end product of carbohydrate digestion in rumen includes
i) Acetate ii) Propionate iii) Butyrate iv) All of them
- c) 'Ghungroo' is an important breed of West Bengal, belongs to species of
i) Bovine ii) Caprine iii) Porcine iv) Feline
- d) Maize/corn is used in poultry ration as a source of
i) Carbohydrate ii) Protein iii) Fat iv) Mineral
- e) Milk Fever occurs in animals due to
i) Phosphorous deficiency iii) Excess intake of Sulphur
ii) Vitamin A deficiency iv) Calcium deficiency
- f) Milk is deficient in
i) Ca ii) Fe iii) Both iv) None of above

P.T.O.

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3. Write short notes on the following (*any five*):

2×5=10

a) Retention of placenta

b) Brooding

c) Calorie-Protein Ratio

d) Feed efficiency ratio (FCR)

e) Toned milk

f) Milk fever

g) Role of Livestock in national economy

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Part - II
(Descriptive Type)

Time : 90 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any three* questions.

4. Differentiate between (*any two*): 2×5=10
- a) Exotic vs Indigenous breeds
 - b) Diet vs Ration
 - c) Metabolic diseases vs Infectious disease
5. Write the etiology, symptoms, treatment and prevention of
(i) FMD, (ii) Anthrax, (iii) Ranikhet Disease, (iv) Brucellosis 10
6. 'Paddy straw can be digested by cow but not by pigs'. Why? Briefly sketch down the digestive system of fowl. 3+7=10
7. a) Write down the different methods for improvement of indigenous farm animals.
b) What is A.I.? Write down the different process of A.I. 5+5=10
8. a) State the suitable managemental package need to be adopted for milch animals.
b) Give the vaccination schedule of chicken against bacterial and viral diseases. 4+6=10
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