

B.Sc. (Ag.) Honours Semester-II Examination, 2019

Course No: ANS-121 (Old)

(Livestock Production and Management)

Signature of Centre Superintendent

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

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

Time : Two Hours

Full marks : 40

Questions are of value as indicated in the margin

Part - I

(Objective and Short Answer Type)

(Use only ball point pen)

Time : 20 minutes

Full marks : 10

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

1. State True (T) or False (F) in respect of the following statements:

0.5×6=3

- a) P.P.R in goat is a viral disease. ☐
- b) In 'Milk fever' the body temperature becomes quite high in cows. ☐
- c) Crude fibre content of Concentrate feed remains higher than 18%. ☐
- d) The meat of goat is called chevon. ☐
- e) 10 kg of good quality green fodder can replace 1 kg of concentrate feed. ☐
- f) Vitamin E is an antioxidant vitamin. ☐

2. Fill up the blanks with most appropriate words:

0.5×4=2

- a) Incubation Period of duck egg is _____ days.
- b) Per capita availability of milk in India is _____g.
- c) True stomach in ruminant is known as _____.
- d) Ruminant can digest the roughage by their rumen microbial enzyme known as _____.

3. Tick (✓) the correct alternatives:

0.5×4=2

- a) Energy requirement of cattle (in NRC and ICAR Feeding Standard) is expressed as
 - i) Metabolizable Energy (ME)
 - ii) Net Energy (NE)
 - iii) Total Digestible Nutrients (TDN)
 - iv) Digestible Energy (DE)
- b) Anaemia is most prevalent in
 - i) calf
 - ii) kid
 - iii) piglet
 - iv) lamb
- c) Act of mating in sheep is known as
 - i) Tuppung
 - ii) Mounting
 - iii) Serving
 - iv) Coupling

P.T.O.

d) Fat content of buffalo milk is

- i) 3% ii) 5% iii) 7% iv) 9%

4. Match column 'A' with column 'B' and jot down your answer in column 'C' based on column 'A'

0.5×6=3

Column-A

- a) Sheep
- b) Goat
- c) Ground nut cake
- d) Rhode Island Red
- e) Maize
- f) White Leg Horn

Column-B

- i) Rich source of carbohydrate
- ii) Dual type of chicken
- iii) Grazing
- iv) Egg type of chicken
- v) Rich source of protein
- vi) Browsing

Column-C

- ()
- ()
- ()
- ()
- ()
- ()

B.Sc. (Ag.) Honours Semester-II Examination, 2019

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Part - II
(Descriptive Type)

Time : 100 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any three* questions from the following.

5. a) Define fertility and fecundity.
b) Factors affecting fertility in livestock.
c) Write the advantages of A.I (Artificial Insemination). 2+4+4=10
6. a) What do you mean by 'Clean Milk Production'?
b) Factors affecting milk yield in cattle.
c) Write down the importance and Composition of colostrum. 3+3+4=10
7. a) Define ration and 'Balanced Ration'.
b) Write down the desirable characteristics of balanced ration.
c) Note down the role along with a deficiency disease for a major and a trace mineral. 3+3+4=10
8. a) Describe different methods of rearing of chicken.
b) Write down the vaccination schedule of layer/broiler (any one) birds.
c) Write a short note on summer (Heat Stress) management in poultry. 4+4+2=10
9. Write short notes on the following (*any four*): 2.5×4=10
- a) Piglet anaemia
 - b) Forced Moulting
 - c) Flushing
 - d) Tattooing
 - e) Milk Fever
 - f) Unconventional feeds
 - g) Selenium toxicity
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