Roll No…….. **Total No. of Printed Pages: 1**

Total No. of Questions: [09]

B.Sc. (Hons.) Agriculture (Semester – 3rd)

LIVESTOCK AND POULTRY MANAGEMENT

Subject Code: BAGRS1359

Paper ID: [19130128]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a) Enlist Indian breeds of sheep known for its wool production.
b) Write short note on Foot-and-Mouth Disease in cattle.
c) How does the management of lighting affect the productivity of layer hens?
d) How feedstuffs are classified? Give their types with examples.
e) What is the recommended minimum space requirement for a dairy cow in a stall?
f) What are various feed ingredients for ration for livestock?
g) How incubation is maintained in poultry?
h) What are key contributions of livestock to the national economy?
i) What do you mean by feed additives? Why are they used?
j) How does the feeding requirement of laying hens differ from that of broilers?

Section – B **(5 marks each)**

Q2. Describe the proximate principles commonly used to analyze feedstuffs?

Q3. Name the primary digestive compartment in ruminants where fermentation occurs. Describe the role played by other parts of ruminant stomach in the digestion process of cattle?

Q4. Give the characteristic features of two Indian breeds each of buffalo and goat.

Q5. What are the different strategies used to enhance egg production in poultry? How does nutritional management play a role in improving poultry health and productivity?

Q6. Explain vaccination schedule for prevention and control of diseases in livestock.

Section – C **(10 marks each)**

Q7. Give in detail the Indian and exotic breeds of swine by describing their characteristics.

Q8. Describe in detail the reproductive cycle in cattle and buffalo.

Q9. Explain the housing principles and space requirements for any two farm animals.