

FS – 27 / 15-16
Veterinary Science And
Animal Husbandry
Paper – I

Time : 3 hours

Full Marks : 200

The figures in the right-hand margin indicate marks.

Candidates should attempt Q. No. 1 from

Section – A and Q. No. 5 from Section – B

*which are compulsory and any **three** of*

the remaining questions, selecting

*at least **one** from each Section.*

SECTION – A

1. Write brief notes on any **two** of the following in not more than **150** words each : $20 \times 2 = 40$

(a) Assessment of production efficiency in a dairy farm.

(b) Workout a plan for green fodder supply to a dairy farm with 10 cross-breed cows in milk.

- (c) Husbandry practices for newborn piglets in a modern piggery unit.
2. (a) Compute a model ration for a milch cow weighing 400 kg and yielding 10 litres milk per day with 4% milk fat. 20
- (b) Write on Heat detection methods in farm animals. 20
3. (a) Explain the factors affecting yield and composition of milk in dairy cows. 20
- (b) Write on systems of breeding in a swine farm. 20
4. (a) Production indices to assess the efficiency of a commercial layer farm. 20
- (b) Explain the role of lipids and crude fibre in animal nutrition. 20

SECTION – B

5. Write short notes on any **two** of the followings in not more than **150** words each : $20 \times 2 = 40$
- (a) Ill effects of summer stress in buffaloes and ameliorative methods

- (b) Floor, feeding and watering space requirements for dairy cows, calves, heifers and breeding bulls
 - (c) Checklist for success of artificial insemination in farm animals under field conditions
6. (a) Summarize the metabolic activities of vitamins and deficiency symptoms in livestock. 20
- (b) Explain the importance and methods of drying off cows. 20
7. (a) Compare stall fed and conventional goat rearing systems. 20
- (b) Describe the feed additives used in commercial poultry ration. 20
8. (a) Discuss on Semen Evaluation Techniques in a Semen bank. 20
- (b) Explain the livestock feeding and management protocols under flood situation. 20



(d) Floor, feeding and watering space

requirements for dairy cows, calves, heifers and breeding bulls

(c) Checklist for success of artificial

insemination in farm animals under field

conditions

6. (a) Summarize the metabolic activities of

vitamins and deficiency symptoms in

livestock 20

(b) Explain the importance and methods of

drying off cows 20

7. (a) Compare stall fed and conventional goat

rearing systems 20

(b) Describe the feed additives used in

commercial poultry ration 20

8. (a) Discuss on Sarcocystis Techniques in

a 20

(b) Explain the livestock feeding and manage-

ment protocols under flood situation 20