V/O/R/EXAMS 2020

700019

ANIMAL HUSBANDRY & VETERINARY SCIENCE

PAPER—I

Time : 3 hours] [Full Marks : 200

Notes : *(i)* Answer the questions as directed.

(ii) The figures in the right-hand margin indicate full marks for the questions.

1. Briefly describe *any* **8 (eight)** of the following (about *250* words each) : 5×8=40

(a) Importance of colostrum feeding in dairy farming

(b) Economic traits of pigs

(c) Milk ejection process

(d) Methods of milking

(e) Modified or enriched eggs

(f) Shelter management in hot and humid region

(g) Physical and chemical changes during milk storage

(h) Common quality control tests that are performed in a dairy to quickly judge the quality of milk samples

(i) Piglet anaemia

(j) Importance of amino acids for wool production

2. Differentiate between *any* **5 (five)** of the following : 6×5=30

(a) Wool and Fleece

(b) Silage and Hay

(c) Qualitative and Quantitative traits

(d) Milk substitute and Milk replacer

(e) Cold sterilization and Pasteurization

(f) River buffalo and Swamp buffalo

3. Write short notes on the following (about *300* words each) : 8×5=40

(a) Prenatal growth

(b) Thermoregulatory mechanism of testis

(c) Physical process of heat regulation

(d) Hormonal regulation in mammary gland development of animals

(e) Summer management of buffaloes

4. What do you mean by fodder? Write the forage classification based on season of cultivation with suitable examples. Write fodder production plan involving seasonal and perennial fodder for year–round green fodder production. 2+4+8=14

5. Define feeding system. Briefly write different types of feeding practice followed in India. 5+5=10

6. What is animal growth? Explain the factors affecting prenatal and postnatal growth of animal. 4+12=16

7. Write the role of automation of specific pathogen–free poultry. 15

8. Describe briefly the following (about *250* words each) : 5×4=20

(a) Importance of energy as a part of animal nutrition

(b) Sources of energy for animal food and its requirement for meat, milk and egg production

(c) Various methods of evaluation of energy in animal food

(d) Role of rumen in metabolism of protein in ruminants

9. What is fermented/cultured milk product? Give examples and flowchart for any ONE type of cultured milk products. Outline few points related to the problem of non-setting of curd. 3+8+4=15