2. Differentiate between any **FIVE** of the following :–   5×10=50

   (i) Assortative and disassortative mating

   (ii) Heretability and repeatability

   (iii) General and specific combining ability

   (iv) Metatarsal and Metacarpal

   (v) Pasteurization and sterilization

   (vi) Butter and Ghee

   (vii) Brucellosis and Vibriosis

   (viii) Poster and Chart.

3. How selection should be done to improve two negatively correlated traits simultaneously ? Give merits and demerits of each of such methods and ways to improve efficiency of them.   50

4. How the gaseous exchange takes place in a fowl and what are the factors which may affect it ?   50

5. Give names and causative agents of five most common infectious diseases of cattle caused by bacteria and discuss the methods to prevent their occurence.   50

6. Discuss the ways of value addition in the milk and what precautions be taken to launch a value added milk product in market.   50

7. What are the extension methods suitable to educate farmers to get maximum profit from a poultry farm ?   50

8. Which factors affect the response to selection and how efficiency of gain through selection be improved ?   50

9. Describe general principles and problems of meat inspection and jurisprudence veterinary practice.   50

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Animal Husbandry & Veterinary Science

(02)

Paper—II

Time : Three Hours]   [Maximum Marks : 300

Note :— (i) Answers must be written in English.

   (ii) The number of marks carried by each question is indicated at the end of the question.

   (iii) Part/Parts of the same question must be answered together and should not be interposed between answers to other questions.

   (iv) The answer to each question or Part thereof should begin on a fresh page.

   (v) Your answers should be precise and coherent.

   (vi) Candidates should attempt Question Nos. **1** and **2** which are compulsory and any **FOUR** of the remaining questions.

   (vii) If you encounter any typographical error, please read it as it appears in the text-book.

1. Write short notes on any **FIVE** of the following :–   5×10=50

   (i) Gene number estimation in farm animals

   (ii) Inbreeding

   (iii) Preparation of stains and staining of blood films

   (iv) Legal standards of toned milk

   (v) Milk fever

   (vi) Economic utilization of bones of dead animals

   (vii) Cross breeding and grading up in cattle

   (viii) Haemoglobinuria.