

Code- 02

ANIMAL HUSBANDRY AND VETERINARY SCIENCE

Time: 3 Hours

Max Marks: 150

Note : Attempt Five questions in all. All questions carry equal marks. Q.No. 1 is compulsory. Answer any two questions from Part-I and two questions from Part-II. The parts of the same questions must be answered together and must not be interposed between answers to other questions.

1. Write notes on any **four** of the following (7½x4)
- (a) Methods of estimation of heritability
 - (b) Sex influenced and sex limited traits
 - (c) Balance ration in dairy cows
 - (d) Economic utilization of slaughter house waste
 - (e) Oestrus detection in dairy animals
 - (f) Brucellosis in animals
 - (g) Steps in deep freezing of buffalo semen

PART - I

2. (a) Define breeding value and give methods of its estimation (15)
(b) Explain progeny testing of buffalo bulls under field conditions (15)
3. (a) Draw a diagram of digestive system of a cow and label its different parts (15)
(b) Enlist functions of each part (15)
4. (a) Explain different milk production systems in India and compare it with dairy developed countries (15)
(b) Discuss the role of crossbreeding in increasing the milk production in the country (15)

PART - II

5. (a) What is clean milk, give steps to produce clean milk (15)
(b) What are the parameters to measure the quality of milk (15)
6. Write briefly on mode of infections, prevention and treatment of any of the following two diseases (15+15)
(a) Foot and mouth disease
(b) Coccidiosis
(c) Haemorrhagic septicemia
7. (a) Enumerate major diseases which are communicable from animal to man and vice versa (15)
(b) Give methods to prevent the spread of these diseases at a organized farm (15)