

1/25/2021

200

Code—02

**ANIMAL HUSBANDRY AND  
VETERINARY SCIENCE**

Time : 3 Hours

Maximum Marks : 150

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

1. Write critical notes on any four of the following : (4×7½=30)

- (a) Germfree and gnotobiotic life
- (b) Antioxidants
- (c) Probiotics

- (d) Antifungal antibiotics
- (e) Interferons
- (f) Apoptosis
- (g) Angiotensin-converting enzyme inhibitors (ACEI).

### Part I

2. What are the two major causes of variation in farm animals ? Explain. (30)
3. Describe the various methods of treatment of straws and non-conventional feeds to make them more nutritive for ruminants. (30)
4. What are the different breeds of buffaloes ? Describe in brief their characteristic features. (30)

### Part II

5. How can you detect pregnancy in a cow ? What are the different methods of pregnancy diagnosis ? (30)

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6. Describe causative agents, signs, diagnosis, prevention and treatment of :
  - (a) Mastitis in cow
  - (b) Coccidiosis in poultry. (30)
7. What care should be taken to handle hatching eggs to achieve maximum hatchability ? (30)

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