

## **ANIMAL HUSBANDRY AND VETERINARY SCIENCE**

1. Write critical notes on any four of the following: (4x7½=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)
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)