

IFS 2006 Animal Husbandry and Veterinary Sciences

PAPER - I

SECTION A

1. Write short notes on any four of the following in not more than 150 words each

(a) Probiotics, their mode of action and usefulness.

(10)

(b) Breeding plan for egg type poultry production.

(10)

(c) Dairy farming vis-a-vis Mixed farming.

(10)

(d) Role of cross-breeding in developing new breeds/strains.

(10)

(e) Trace minerals in nutrition of growing animals.

(10)

2. Describe the sequence of events along with details for improvement of cattle in India. What were the shortcomings and constraints in not achieving the targeted level of milk production?

(40)

3. (a) Describe the suitable management practices to be followed for Heifers and Pregnant stock in a commercial unit,

(30)

(b) What will you feed daily to a breeding bull of five years of age which is being used for semen collection for A.I.?

(10)

4. Describe in detail method of meat inspection in Goat. How will you differentiate meat of goats from that of sheep?

(40)

SECTION B

5. Write short notes on any four of the following in not more than 150 words each.

(a) Development of economical ration for rabbits.

(10)

(b) Construction of Selection Index and its use.

(10)

(c) Female reproductive organs, their components and functions.

(10)

(d) Factors affecting semen quality

(10)

(e) Nucleus Breeding Schemes

(10)

6. What are the hormones necessary for initiation and maintenance of Pregnancy, Lactation and Parturition in dairy cows? Explain their role

(40)

7. (a) Describe the steps for amelioration of Heat stress through suitable shelter systems under rural conditions.

(30)

(b) How do animals keep their body temperature constant under cold environmental conditions ?

(10)

8. Enumerate the steps to be taken for Quality Semen Production. What are the factors affecting semen quality 'in vivo' and 'in vitro'?

(40)

PAPER - II

SECTION A

1. Write short notes on any four of the following in about 150 words each:

(10 x 4 = 40)

- (a) Cell division.
- (b) Blood groups.
- (c) Chemotherapy of neoplastic diseases.
- (d) Diagnosis and treatment of poisoning.
- (e) SPCA

2. Write an account on antimicrobials and principles of chemotherapy in microbial infections.

(40)

3. Explain the pathogenesis, symptoms, diagnosis and control of anthrax.

(40)

4. Discuss the role of animals and birds in the prevalence and transmission of zoonotic diseases.

(40)

SECTION B

5. Write short notes on any four of the following in about 150 words each:

(10 x 4 = 40)

- (a) Preparation of cultured milks
- (b) BIS and Agmark specifications for milk products.
- (c) Preservation of meat.
- (d) Rabbits for meat production.
- (e) Transfer of technology.

6. Explain the organisation of rural milk procurement including collection and transport of raw milk.

(40)

7. Write an account on the regulatory provisions in meat trade and industry.

(40)

8. Discuss the various animal husbandry programmes for rural development.

(40)