Civil Services (Main) Examination, 2000

ANIMAL HUSBANDRY AND VETERINARY SCIENCE

(Paper I)

Time Allowed : Three Hours **Maximum Marks : 300**

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two Sections.
Candidate has to attempt FIVE questions in all.
Question Nos. 1 and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each Section.
All questions carry equal marks.
Wherever any assumptions are made for answering a question, they must be clearly indicated.
Word limit in questions, wherever specified, should be adhered to.

SECTION 'A'

1. Write short notes on any three of the following in about 200 words each:

- **(a)** Oestrous cycle and its role in economic dairying
- **(b)** Management of piglet upto weaning
- **(c)** Computation of ration for a pregnant cross-bred cow yielding 10 kg of milk
- **(d)** Autosexing in poultry

2. Classify different mutagens. What are mechanisms involved in gene mutation?

3. 'Draft animals are redundant following mechanisation in agriculture.' Give your comment with Justification.

4. Discuss in brief the importance of livestock farming under Indian conditions. Compare the dairy farming as practiced in India with that in advanced countries. Show how would you make dairy farming a more profitable enterprise than it is at present.

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each:

- **(a)** Dipping of sheep
- **(b)** Backyard poultry
- **(c)** Transgenic animals
- **(d)** Bypass protein in ruminant nutrition

6. Write in short about the importance of conservation of indigenous breeds of livestock. Discuss what you know about germplasm bank.

7. Write a note on the present status of reproductive efficiency of indigenous cows and buffaloes. Outline steps to attain a higher level of reproductive efficiency in a herd of buffaloes under Indian conditions.

8. Discuss in detail about feed supplements, additives and antibiotics in broiler and layer ration.

English version compiled from published transcriptions and cross-checked across sources; not a facsimile of the official UPSC question paper.

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