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ANIMAL HUSBANDRY AND VETERINARY SCIENCE

Paper II

Time Allowed : Three Hours Maximum Marks: 200

QUESTION PAPER SPECIFIC INSTRUCTIONS
Please read each of the following instructions carefully before attempting questions.
There are-EIGHT questions in all, out of which FIVE are to be attempted.
Question Nos. 1 and 5 are compulsory. Out of the remaining SIX questions, THREE are to be attempted selecting at least ONE question from each of the two Sections A and B.
Attempts of questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.
All questions carry equal marks. The number of marks carried by a question/part is indicated against it.
Answers must be written in ENGLISH only.
Neat sketches may be drawn, wherever required.

SECTION 'A'

1. Write short notes on the following: 8><5=40
Gametogenesis 8
,Systemic antifungals 8
Types of placenta in domestic animals 8
Pancreatic secretions and .their functions 8
SPCA and its composition and functions 8

Discuss etiology, pathogenesis, clinical findings, diagnosis, treatment and
prevention of abomasal displacement in bovines. 1 5
Classify anti-neoplastic agents with examples. Discuss in detail about their
mechanism of action, therapeutic uses and adverse effects. 1 5
Describe in brief four biochemical renal function tests with their clinical
significance. 1 0

Discuss in detail epidemiology, clinical signs and prevention and control measures
of FMD in domestic animals. 1 5
Discuss following blood protozoan diseases i.e. theileriosis and kabesiosis in crossbred cattle with respect to their transmission, diagnosis, treatment and
control. 15
Discuss predisposing factors, diagnosis and treatment of Milk Fever in cattle and
buffaloes. 10

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Discuss in detail the zoonotic disease brucellosis with respect to its etiology, transmission, diagnosis, prevention and control measures at an organized Animal Farm. •

15

Discuss the occupational zoonotic diseases — chlamydiosis, tuberculosis and avian influenza with respect to mode of transmission and preventive measures for the poultry farmers.

15

Explain veterolegal cases and their investigation at the post-mortem as a Veterinarian.

10

SECTION 'II'

5. Write short notes on the following:

8x5=40

Scope of Rabbit meat production and its utilization in India.

8

Post slaughter physico-chemical changes in meat and factors that influence them. 8

5.(c)

Describe the manufacture, procedure and differences between evaporated and condensed milk.

8

Define sanitation., What are different methods of sanitation practiced in meat processing plant?

8

Differences in livestock practices in rural and urban areas.

8

Discuss various methods of pasteurization of milk with their advantages and disadvantages.

15

Describe in detail judging and grading of milk products.

15

Define and compare physico-chemical properties of drum-dried and sprays dried

milks. Explain drum drying of milk with the help of flow diagram. 10

Discuss in details general principles of ante mortem and post mortem inspection of food animals.

15

Discuss about utilization of edible and non-edible by-products of slaughter house and their socio-economic implications.

15

Discuss briefly following meat preservation methods and their shelf life : curing, chilling, canning and irradiation. •

10

Discuss in detail classification and functions of various extension teaching methods.

15

Discuss in detail key village, ICDP and operation flood schemes for livestock improvement in India.

15

Discuss problems and constraints in transfer of technology for livestock improvement in India.

10

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