

2019

MSC(O)/AH-II/19

ANIMAL HUSBANDRY AND VETERINARY SCIENCE
PAPER-II

Time Allowed — 3 Hours

Full Marks — 200

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining ones ignored.

*Answers may be given either in **English** or in **Bengali** but all answers must be in one and the same language.*

The figures in the margin indicate marks for each question.

Group-A

Answer the *Questions No. 1 and any two* from the rest.

1. Write in brief on *any ten* of the following: 10×10=100
 - (a) Enumerate five zoonotic diseases of livestock. Discuss their mode of transmission. 5+5=10
 - (b) Write the most pathogenic coccidiosis of poultry bird. How it will diagnosed? What measure you will adopt in a coccidiosis outbreak in a poultry firm? 1+2+7=10
 - (c) Which virus is responsible for Bird flu? What is the preventive measure for Bird flu infection? Mention the clinical symptoms of it. 1+3+6=10
 - (d) Discuss briefly the biology, pathogenesis of intracellular blood protozoan parasite of Livestock. What measure and treatment you will adopt for prevention of the disease? 4+6=10
 - (e) What is the common Haemoprotozoa, Haemofilariae, Haemorickettsia in canine? Write separately their clinical symptoms and treatment. 3+3+4=10
 - (f) Discuss the common filarial nematodes occurring in human and animals. Mention the name of said filaria and their site of predilection. Mention their mode of transmission. 2+2+6=10
 - (g) State the name of the Haemoprotozoa causing haemolysis followed by Haemoglobinuria in canine. Write down their etiology, clinical symptoms and modern line of treatment of the said Haemoprotozoa. 1+4+5=10
 - (h) Difference between oedema, abcess, hernia, tumour, cyst. 2+2+2+2+2=10
 - (i) Difference between anaesthesia and euthanasia. 5+5=10
 - (j) What is the main cause of haematoma? Give the line of treatment of it. 2+8=10
 - (k) State the parts of female reproductive tract of fowl and their role in egg formation. 3+7=10
 - (l) State the factors influencing ricket in pup. 10

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(2)

2. Classification of shock. Write down briefly the pathophysiology of shock. 20
3. What is Urolithiasis? How it will be diagnosed? Describe briefly the procedure of surgical intervention for removal of the calculi from bladder. 20
4. Write down the surgical condition for performing ceasarian section in bitch. Describe briefly the operative procedure in a 5 years bitch. 20

Group-BAnswer *any two* questions.

30×2=60

5. Write in brief about the followings:

6×5=30

- (a) Dental fistula
- (b) Dermoid cyst
- (c) Libido
- (d) Importance of Monkey as a laboratory experimental model
- (e) Swine flue
6. Mention different types, symptoms and mode of transmission of Anthrax from animal to man. Outline the laboratory diagnosis of anthrax in man and animal. 30
7. Discuss the epidemiology of Brucellosis stating symptoms in animal. Give the diagnostic procedure of the said disease. Mention the concept of the disease in a herd with economic losses due to brucellosis in India. 30

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