

MS (Pharmacology) January - June Semester Final Examination-2021
Chattogram Veterinary and Animal Sciences University
Faculty of Veterinary Medicine
Department of Physiology, Biochemistry and Pharmacology
Course title: **Molecular and Immune Pharmacology**
Course Code: MIP-601
Total Marks: 40

Answer any 8 questions from the below list: Figure in the right margin indicate full marks

1. Describe the management of NSAIDS drugs associated side effects in a cow 5
2. Demonstrate the importance of immunomodulatory drugs and their application against immune mediated diseases 5
3. Define hypersensitivity reactions? How you will manage this in a sheep? 5
4. Describe the B cell mediated immunity in vaccinated animals 5
5. Define : Immunity, vaccine, antibody, antigen, defense mechanism 5
6. Describe the five commercially available vaccine in LRI (Livestock Research Institute) 5
7. Describe the vaccine schedule in commercial broiler 5
8. Differentiate between innate and acquired immunity 5
9. Describe the antihistaminic drugs and its importance in veterinary medicine 5
10. Describe the strategy of disease control plan in the perspective of vaccine development. 5

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MS (Pharmacology)

Final Examination-2021

January – June Semester

Sub: General Pharmacology (GPH-601)

Total Marks: 40 Time: 2 hours

Answer the following questions (Any four):

4 × 10 = 40

1. a. Define drug incompatibility. Classify drug incompatibilities with example.
b. Suppose, you are a pet practitioner. An owner of a labrador dog has been brought in your clinic with acute systemic bacterial infection. Which route would you choose during prescription of antibiotic? Differentiate between the prescribed route and oral route of drug administration.
c. Classify prescription. What are the conditions of good prescribing practice as a clinical veterinarian?
2. a. Define bronchodilator with example. Illustrate the mode of action of salbutamol.
b. A dog is brought to you with complaints of vomiting, burning sensation in the stomach, acid reflux, heartburn and dyspepsia. Interpret the treatment approaches in the condition.
c. A cow had a problem of gangrenous tail. Surgically to amputate that tail, what kind of anesthetic agent do you suggest? Write its name with mechanism of action and toxicity.
3. a. Name the drugs affecting myocardial contractility.
b. Write in tabular form the sugars and genins produced by hydrolysis of digitalis glycosides.
c. What are the drugs used as myocardial depressant? Name a drug of choice with its short action and dose in a dog.
4. a. Define anesthesia. What are the characteristics of an ideal anesthetic?
b. Name 5 Non barbiturate non volatile anesthetics. How do they produce anesthesia? –Discuss.
c. What are the stages of general anesthesia? Name at least 5 volatile anesthetics with dose.
5. **Write short notes on (any four)**
(a) Local anesthetics; (b) Drug nomenclature; (c) Drug interaction; (d) Biological half life;
(e) vaccines and toxoids

January-June MS in Pharmacology Examination-2021
Department of Physiology, Biochemistry and Pharmacology
Course Title: Chemotherapy (Theory)
Course Code: CHT-601
Total Marks: 40; Allocated Time: 2.00 Hours

Figures in the right margin indicates the full marks. Answer any five (5) questions from the followings.

1. Briefly describe the history of penicillin. Write down the mode of action, dose, indication and contraindication of penicillin. 8.0
2. How will you differentiate between amoxicillin and ampicillin? Write down the indication of amoxicillin and ampicillin in livestock. 8.0
3. Write down the mode of action, dose, indication and contraindication of sulfonamides in goats. What are the precautions needed during the use of sulfonamides in goats? 8.0
4. Classify antifungal drugs with examples. Write down the mode of action of action and dose of systemic antifungal drugs in pets. 8.0
5. How will you differentiate quinolones from fluoroquinolones? Write down the mode of action, dose, and indications of ciprofloxacin in poultry. 8.0
6. Write down the indications of oxytetracycline in livestock. Why oxytetracycline contraindicated to the production, early life and pregnant animals? -briefly describe your opinion. 8.0

January-June MS in Pharmacology Examination-2021
Department of Physiology, Biochemistry and Pharmacology
Course Title: Food Toxicology and Public Health (Theory)
Course Code: FTP-601
Total Marks: 40; Allocated Time: 2.00 Hours

Figures in the right margin indicates the full marks. Answer any five (5) questions from the followings.

1. Write down the importance of food safety. Briefly describe the principles of food safety and food hygiene. 8.0
2. What do you mean by hazard? Discuss the types and principles of food hazard. 8.0
3. Define risk and risk assessment. Briefly discuss the steps and importance of risk assessment. 8.0
4. Briefly describe the laws and regulations practiced in food sector of Bangladesh. 8.0
5. Write down the contaminations and prevention of food toxicity produced by salmonella and *E. coli*. 8.0
6. Briefly describe the public health importance of Giardiasis and Trichinellosis. Write down the prevention measures for that toxicity. 8.0

January-June MS in Pharmacology Examination-2021
Department of Physiology, Biochemistry and Pharmacology
Course Title: General Toxicology (Theory)
Course Code: GTL-601
Total Marks: 40; Allocated Time: 2.00 Hours

Figures in the right margin indicates the full marks. Answer any five (5) questions from the followings.

1. Define toxicology and toxicity. Briefly describe the scope and branch of toxicology in animal. 8.0
2. Differentiate between toxin, poison and venom. Classify toxicity based on sources of toxicity, target organ, and toxicity potentials. 8.0
3. What is antidote? Briefly describe the general treatment protocol for a poisonous case. 8.0
4. How will you diagnose and treat the arsenic and selenium poisoning in cattle? 8.0
5. What are the factors involved in nitrate poisoning in ruminants? Write down the diagnosis, and line of treatment of nitrate poisoning in goat. 8.0
6. Write down the mode of toxicity, diagnosis and line of treatment of common salt poisoning in cow. 8.0

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