

Kafrelsheikh University
Faculty of veterinary medicine
Department of pharmacology
Subject:
Code :
Name:
Academic number:



3rd year
Date:
Time allowed:
Number of pages:
Full marks:
Final Exam

Please Choose one of the Following Researches:

1. Quinolones and Incidence of Drug Resistance:

- a. What are quinolones?
- b. Uses of quinolones in animal diseases.
- c. Uses of quinolones in human medicine.
- d. Interference between two types of treatment.
- e. Drawback of incidence of drug resistance.
- f. WHO, FDA and OIC requirements for banning of use of fluoroquinolones in veterinary medicine.
- g. How to compromise for the safe of man and animal health.
- h. Personal opinion.

2. Efficacy and Side Effects of Using Antibiotics as Growth Promoters:

- a. An introduction about antibiotics.
- b. Rules in using growth promoting antibiotics.
- c. The incidence of bacterial resistance against important and critical antibiotics.
- d. The extension of bacterial resistance by cross resistance.
- e. Loss of efficacy of important antibiotics in clinical use.
- f. Replacement by probiotics or prebiotics as growth promoters by variation of mechanism of action of each.
- g. Personal opinion about use of specific growth promoting antibiotics, probiotics and prebiotics.

3. Abuse and Drug/Drug Interaction in Using Combination of Antibiotics:

- a. What is drug/drug interaction and prospected sequelee of its incidence.
- b. Economic losses by using drugs together not recommended.
- c. Preparing a schedule of antibiotics that may interfere in action.
- d. Vitalizing meetings discussing prominent drug/drug interactions.
- e. Personal opinion to guard against the incidence of drug/drug interaction.

4. New Advancement in Anthelmintic Drugs used in Veterinary Medicine:

- a. Overview of anthelmintics.
 - b. Mechanisms of action of anthelmintic drugs.
 - c. Withholding periods after anthelmintic treatment.
 - d. Safety of Anthelmintics.
 - e. Resistance to anthelmintics.
 - f. New anthelmintics introduced to the market and their relevance.
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5. Medical Management of Cough:

- Types of Cough.
- Treatment of each type of Cough.
- Mechanism of action and adverse effects of cough therapy.

6. Sulphonamides as Anticoccidial Drugs:

- The sulphonamides used as anticoccidial.
- The mechanism of action of sulphonamides as anticoccidial drugs.
- Combination of sulphonamides with each other and with other drugs and their benefits.
- Side effects of sulphonamides and their control.

7. Therapeutic Approach to Heart Failure in Veterinary Medicine:

- The goal of heart failure therapies.
- An overview of the common drugs and their indications in management of heart failure
- Benefits of β blockers in patients with heart failure.

8. Medical Therapy of Peptic Ulcer Disease:

- Etiology of gastrointestinal ulcers in animals.
- Mechanism of action of drugs used for treatment of peptic ulcer.
- Triple-therapy regimens for peptic ulcer.

9. Sex Hormones Actions, Therapeutic Uses and Side Effects:

- What are the sex hormones?
- The role of sex hormones in pregnancy, parturition and synchronization of estrus and their side effects.
- The growth promoting effect of sex hormones and their side effects.
- The differences between virilising and anabolic androgens.
- Personal opinion about using two different sex hormones with each other at the same time, give examples.

10. Diuretics Actions, Therapeutic Uses and Side Effects:

- What are the diuretics and their therapeutic uses?
- The rules of classification of diuretics.
- Diuretics used in emergency, mention the causes, give examples.
- Combination of diuretics with each other, mention the causes, give examples.
- General precautions and side effects of diuretics.

Head of the Department

Pro. Dr./Abo Elnasr Ahmed Ibrahim Zahra