

## LATG - Quiz # 7 (Ch. 14, 15)

1. A four year chocolate Labrador is diagnosed with Exocrine Pancreatic Insufficiency and must receive Pancrezyme with its food to aid in digestion and prevent chronic diarrhea. What is the drug-mediated activity of Pancrezyme?
  - a. Irritation
  - b. Stimulation
  - c. Replacement
  - d. Depression
2. A cat is reported for severe dyspnea and upon physical examination and review of the animal's health history you are unable to determine the exact cause of the problem. What type of drug classification system would you use to treat this animal?
  - a. Primary effect
  - b. Secondary effect
  - c. Tertiary effect
  - d. Site of action
3. What scientific term is used to describe drug administration that is given by going around the intestinal tract?
  - a. Enteral
  - b. Parenteral
  - c. Parectal
  - d. Intraperitoneal
4. Identify the correct order for the routes of administration from slowest to fastest?
  - a. Parenteral < Topical < Inhalation < Enteral
  - b. Topical < Enteral < Parenteral < Inhalation
  - c. Enteral < Parenteral < Topical < Inhalation
  - d. Inhalation < Enteral < Parenteral < Topical
5. Clavamox (Augmentin) is a common antibiotic, which used in cats to treat various diseases. Clavamox is a combination of the clavulanic acid and amoxicillin, which are both antibiotics. The combination of these two drugs has a more intense and prolonged activity against a broad spectrum of bacteria. This type of therapeutic use of drugs is referred to as?
  - a. Tolerance
  - b. Sensitization
  - c. Synergism
  - d. Potentiation

6. Which of the following is the correct formula to calculate TI?
- TI=Effective dose/Toxic dose
  - TI= Therapeutic Index/Toxic dose
  - TI= Toxic dose/Therapeutic dose
  - TI= Toxic dose/Effective dose
7. A 350g rat must be anesthetized for mini-pump implantation with Nembutal. The dosage for rats is 30 mg/kg and the concentration of Nembutal is 50 mg/ml. How many mls of Nembutal should this rat receive?
- 210
  - 21
  - 2.1
  - .21
8. What is the scientific term used to describe bluish discoloration of the mucous membranes?
- Cyanosis
  - Hyperemia
  - Edema
  - Toxemia
9. What is the normal capillary refill time for most laboratory animals?
- < 1 sec
  - > 4 sec
  - < 2 sec
  - > 3 sec
10. Which of the following eye patterns should cause concern and would be considered an anesthetic emergency in an animal under general anesthesia?
- Nystagmus
  - Extreme pupillary dilatation
  - Pupillary constriction in ventral medial location
  - Rotary oscillation
11. Preanesthetic drugs have several advantages, such as smoother anesthetic induction, reduced amount of general anesthesia, and smoother anesthetic recovery. What is one major disadvantage of these drugs?
- These drugs make general anesthesia harder to monitor
  - These drugs are controlled and require more documentation
  - These drugs mask the stages and planes of anesthesia
  - These drugs are very expensive and must be purchased from Europe

12. Which of the following preanesthetic drugs should be given to prevent excessive salivation and bradycardia?
- Acetylpromazine
  - Atropine
  - Xylazine
  - Innovar-Vet
13. Identify the tranquilizer that is a potent analgesic and commonly used in combination with ketamine for general anesthesia in mice and rats?
- Acepromazine
  - Pentobarbital
  - Fentanyl
  - Xylazine
14. \_\_\_\_\_ and \_\_\_\_\_ are classified as ultra-short acting thiobarbiturates.
- Thiopental, Methohexital
  - Thiamylal, Pentobarbital
  - Pentobarbital, Phenobarbital
  - Thiopental, Phenobarbital
15. Which anesthetic agent produces a dissociative anesthetic effect characterized by excessive muscular tone, increased blood pressure, and poor visceral/abdominal analgesia?
- Xylazine
  - Ketamine
  - Isoflurane
  - Metafane
16. What anesthetic agent is the only one suitable for use in a wick type in-circuit vaporizer?
- Isoflurane
  - Halothane
  - Methoxyflurane
  - Enflurane
17. What substance is used to remove carbon dioxide from a rebreathing anesthetic system?
- Soda lime
  - Charcoal
  - Sodium thiosulfate
  - Baking soda

18. A nonrebreathing anesthetic system should be used for animals that weigh less than \_\_\_\_\_.
- 25 lbs
  - 15 kg
  - 5 kg
  - 6 lbs
19. Which of the following is currently considered the inhalant anesthetic agent of choice?
- Ether
  - Isoflurane
  - Halothane
  - Methoxyflurane
20. \_\_\_\_\_ are not anesthetic agents, because animals dosed with these drugs are paralyzed, but fully conscious and can feel pain.
- Opioids
  - Antiemetics
  - Neuromuscular blockers
  - Neurostimulants
21. Opioids are commonly used to relieve pain, these drugs can have severe side effects such as respiratory depression. One advantage to using these drugs is that they have specific antagonists that can reverse the side effects. Which of the following is a narcotic antagonist?
- Meperidine (Demerol)
  - Naloxone (Narcan)
  - Buprenorphine (Buprenex)
  - Butorphanol (Torbutrol)