

# VU Medical Zone

## ZOO 510 Current Final terms Fall 2020

### M.C.Q

1. \_\_\_\_\_ is the largest aquaculture producing country in the world. **China**
2. \_\_\_\_\_ were used as one of the first forms of aquaculture. **Ponds**
3. CO<sub>2</sub> can be removed by trickling filter by keeping gas/liquid ratio of \_\_\_\_\_. **5:1**
4. Which one of the following is the Vitamin is water soluble? **Vitamin B**
5. Whirling disease is caused by the \_\_\_\_\_. **Protozoan**
6. Which one of the following is included in silkworm disease? **Pebrine**
7. In \_\_\_\_\_ Lac insect is known to have two distinct strains, Kusumi and Rangeeni. **India**
8. The common parasites of lac insect are known as \_\_\_\_\_. **Chalcid**
9. Chicken, turkey, duck and goose are all types of birds and they are reared for meat is called \_\_\_\_\_. **Poultry**
10. A group of chickens is called a \_\_\_\_\_. **Flock**
11. A group of baby chickens is called a \_\_\_\_\_. **Peep**
12. \_\_\_\_\_ is first limiting AAs for egg production. **Methionine**
13. If a commercial feed for ducks & geese is not available \_\_\_\_\_ feed may be used. **Chicken**
14. Which one of the following is not an infectious agent? **Physical**
15. Fowl pox vaccine at \_\_\_\_\_ weeks of age. **4-6**
16. Which one of the following is livestock selection based? **Based on performance of ancestors**
17. The total amount of feed an animal has in a \_\_\_\_\_ period. **24 hours**
18. Which is the by-product of Corn has residue? **Removal of Starch**
19. \_\_\_\_\_ high stocking rate of animals are put into a pasture for a limited period. **Strip Grazing**
20. Which statement is true about the Biological Control? **Avoid broad-spectrum insecticides**
21. Humidity, temperature, air movement, water and light are the \_\_\_\_\_ factor. **Physical**

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**Qno1: Explain the treatment of Bumble foot disease.**

**3 marks**

- Soak foot in warm water and Epsom salts.
- Disinfect with alcohol.
- If skin is open, drain pus from abscess.
- Flush abscess cavity with hydrogen peroxide to cleanout pus and debris.
- Pack the cavity with antibiotic ointment.
- Wrap the foot with gauze and elastic bandage.
- Repeat daily until foot heals.

**Qno2: Explain the animal By-product.**

**2 marks**

- Bones – Button, glue, mineral supplement for livestock feed (Ca)
- Fat – Chemicals, salves, creams, dressings, lubricants, soaps, food
- Glands – Medicines, food additives
- Collagen – Glue, Gelatin
- Intestinal & Stomach tissue – lunch meats, surgical sutures, strings for musical and sports instruments
- Fertilizer

**Qno3: Explain the average composition of Milk.**

**3 marks**

Water 87.5%

Total Milk Solids 12.5%

Solids Non Fat (SNF) 8.7%

Fat 3.8%

Lactose 4.6%

Protein (Casien) 3.1%

N Protein 0.2%

Vitamins & Minerals 0.8%

**Effort by Amaan Khan**

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**Qno4: Write down the common source of protein. 2 marks**

6 common sources

1. Soybean Meal
2. Cotton Seed Meal
3. Fish Meal
4. Tankage
5. Skim Milk
6. Alfalfa

**Qno5: Name any four vector borne disease and name the vector. 5 marks**

Malaria: It is transmitted through Mosquito Aedes.

Typhus: It is transmitted through Lice.

Lyme disease: It is transmitted through Ticks.

Sleeping sickness: It is transmitted through Tsetse flies.

**Qno6: Explain the Bubonic Plague in detail. 5 marks**

- 14th Century Europe: mysterious scourge kills millions.
- Centuries later it was found that rat fleas, became infected with disease-causing bacteria.
- Fleas sought other warm-blooded hosts (humans) when rat numbers declined.
- Plague is currently managed monitoring for plague and reducing the number of rodent hosts for fleas.

**Qno7: Define Bioaccumulation. 2 marks**

Bioaccumulation: when a chemical accumulates in animal fat. It is combined effect of both chemicals are typically fat soluble and persistent.

**Qno38: What are the components of IPM to monitor the pest? 3 marks**

- Use scouting, trapping, weather data, and models.
- Economics or aesthetics trigger need for action
- Pest population

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- Beneficial population
- Geographic location
- Plant variety
- Plant type & stage of growth
- Cost of control measure(s)
- Value of plant or crop

Action threshold: unacceptable pest level – do something.

Economic Threshold: Pest population density when control is necessary to prevent economic injury.

Economic Injury Level – when the cost of losses equals the cost of control measures.