

# **D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.**

## **QUESTION BANK                      SEMESTER – III (Odd)**

### **ANIMAL PHYSIOLOGY (16CPZO3A)**

#### **UNIT-I**

#### **SECTION-A**

**6 Marks**

1. Give a short note on nutrients
2. Describe the role of enzymes in carbohydrate digestion.
3. Give an account on digestion of lipids
4. Explain the absorption of proteins

#### **SECTION-B**

**15 Marks**

1. Explain in detail about the digestion of proteins
2. Write about the absorption of carbohydrates
3. Describe the gastrointestinal hormones and their role in digestion

#### **SECTION-C**

1. Explain in detail about the functional significance of bioluminescence

#### **UNIT-II**

#### **SECTION-A**

**6 Marks**

1. Explain the physiology of respiration in Man
2. Write about the respiratory pigments in animals.
3. Explain the nervous and chemical control of respiration
4. Explain the types of hearts
5. Describe the physiology of cardiac muscle
6. Write the heart beat and its regulation

#### **SECTION-B**

**15 Marks**

1. Explain in detail about the Give an account on blood coagulation & its theories.

#### **UNIT-III**

#### **SECTION-A**

**6 Marks**

1. Explain the physiology in excretion of man
2. Write about the metabolic waste products in animals.
3. Describe the excretion in relation to environment
4. Write about the iono osmoregulation in fishes
5. Explain the iono osmoregulation in birds

**SECTION-B                      15 Marks**

1. Explain the ionic osmoregulation in invertebrates
2. Write about the hormonal control of osmoregulation
3. Discuss about the origin & synthesis of urea with reference to Krebs's cycle.

**UNIT-IV                      SECTION-A                      6 Marks**

1. Give a brief account on types of neurons.
2. Describe the nerve impulse in muscular co-ordination.
3. Explain the chemical composition of muscle fibres
4. Write about the structure of synapses and myoneural junction
5. Physiology of mammalian reproductive cycles

**SECTION-B                      15 Marks**

1. Write about the Physiology of mammalian reproduction
2. Describe the hormonal control of mammalian reproduction

**UNIT-V                      SECTION-A                      6 Marks**

1. Write a short note on Bioluminescence.
2. Explain the Poikilotherms and homeotherms
3. Write about the structure of synapses and myoneural junction
4. Physiology of mammalian reproductive cycles

**SECTION-B                      15Marks**

1. Describe the tropism, taxis, kinesis, reflex, learning behaviours
2. Explain in detail about hibernation, aestivation and diapauses in animals.