

**DKM COLLEGE FOR WOMEN [AUTONOMOUS], VELLORE-1.**

**B.SC PSYCHOLOGY – III YEAR  
PHYSIOLOGICAL PSYCHOLOGY**

**UNIT – I INTRODUCTION**

**2 Marks Questions**

1. What is physiological psychology/biopsychology?

**5 Marks Questions**

1. Explain the history of biopsychology.
2. Explain the nature of behavioural neuroscience.
3. Explain the biological roots of behavioural neuroscience.

**10 Marks Questions**

1. Explain the various method of study of research in biopsychology

**UNIT – II NEURONS AND ITS FUNCTIONS**

**2 Marks Questions**

1. What is neuron?
2. What is nerve impuise?
3. What is conduction of impulse?
4. What is synapse?
5. What is neuromuscular junction?
6. What is neurotransmitters?
7. What is reflex action?
8. What are myelinated and nonmyelinated neuron?

**5 Marks Questions**

1. Explain the conduction within neuron.

2. Explain the neuromuscular junction.
3. Explain the neurotransmitters and its types.
4. Describe reflex action with diagram.
5. Explain the structure of neuron.

#### **10 Marks Questions**

1. Describe the structure and types of neuron.
2. Explain the transmission of impulse through synapse.

### **UNIT -III STRUCTURE AND NERVOUS SYSTEM**

#### **2 Marks Questions**

1. How is nervous system classified?
2. What is peripheral nervous system?
3. What is somatic nervous system?
4. What is autonomic nervous system?
5. What is sympathetic nervous system?
6. What is meninges?
7. What is spinal cord?
8. What are spinal nerves?
9. What are cranial nerves?
10. Mention the parts of brain.

#### **5 Marks Questions**

1. Describe meninges and its functions.
2. Explain spinal cord and spinal nerves.
3. Explain the difference between sympathetic and parasympathetic nerves.

### **10 Marks Questions**

1. Explain cranial nerve and its function.
2. Explain autonomic nervous system and its function.

### **UNIT – IV BRAIN AND HUMAN BEHAVIOUR**

#### **2 Marks Questions**

1. What is cerebral cortex?
2. What is primary visual cortex?
3. What are the divisions of fore brain?
4. What is primary auditory cortex?
5. What is primary somatosensory cortex?
6. What is primary motor cortex?
7. What is limbic system?
8. What is basal ganglia?
9. What is cerebellum?
10. What is pons?
11. What is a hormone?
12. What is endocrine system?
13. What are endocrine glands?
15. What is association area of cortex?

#### **5 Marks Questions**

1. Explain the development of central nervous system.
2. Explain the areas of cerebral cortex and its function.
3. Short notes on,  
a. Mid brain  
b. Hind brain
4. Explain the various lobes of brain.
5. Explain how the environment influences the hereditary of a person.

6. Explain the adrenal gland and its functions.

7. Write short notes on       a. Thyroid gland

  b. Gonads

### **10 Marks Questions**

1. Explain the parts of fore brain and its functions.

2. Explain the master gland and its functions.

## **UNIT – V BIOPSYCHOLOGY OF EMOTIONS**

### **2 Marks Questions**

1. What is emotion?

2. Name the components of emotions.

3. What is hormonal response of emotion?

4. What is autonomic response of emotion?

5. What is behavioural response of emotion?

6. What is the component of fear?

7. What is aggressive behaviour and its causes?

8. What are predators?

9. What is the role of serotonin?

10. What is psychoneuro immunology?

### **5 Marks Questions**

1. Explain the components of emotions.

2. Explain the physiology of fear.

3. Explain the physiology of aggressiveness.

4. Explain the communication of emotions.

5. Explain the stress and its research with human and animals.

### **10 Marks Questions**

1. Explain the physiology of fear and its research with human and animals.

2. Explain the physiology of aggressive behaviour and its research with human and animals.
3. Explain the physiology of stress and its long term effect.
4. Explain psychoneuro immunology and its neural control.