

DKM COLLEGE FOR WOMEN (AUTONOMOUS)
DEPARTMENT OF FOODS AND NUTRITION
APPLIED PHYSIOLOGY

Sub code- 15CPFN1A

CLASS – I MSC

UNIT - I

6 Marks Questions

1. Give a short note about body fluid compartments.
2. Write a short on muscle tissue.
3. Explain the chemical composition of muscle tissue.
4. Write about the structure nerve tissue.
5. Explain the function of muscle tissue.
6. Explain the function of nervous tissue.
7. Differentiate the muscle tissue and muscle tissue.
8. Draw the structure of nervous tissue and explain.
9. Write about the composition of nerve tissue.
10. Draw the structure of cardiac muscle tissue and explain.
11. Write a note on membrane potential.
12. Sketch the human eye and name the parts.
13. Write the functions of special sense organs.
14. Explain the special sense organ hear.
15. Explain and classify the odorous in sense of smell.

15 Marks Questions

1. Briefly explain about the sense of sight and taste and give its functions.
2. Brief out the sense of hearing and smell and list out their functions.
3. Brief out the biochemical aspects of nerve tissue.

4. Brief out the biochemical aspects of muscle tissue.
5. Explain briefly about positive feedback mechanism and give example.
6. Explain briefly about negative feedback mechanism and give its example.
7. Explain the mechanism of muscle contraction.
8. Explain the types of muscle tissue.
9. Explain the membrane potential and intracellular communication.
10. Explain about the tissue regeneration in detail.

UNIT- II 6 Marks Questions

1. Short notes on reproductive organs.
2. Thyroid gland and its function
3. Short notes on adrenal cortex.
4. Function of para thyroid
5. Adrenocorticoids
6. Describe any two reproductive organs briefly.
7. Sketch and describe the anatomy of endocrine glands
8. Short notes on adrenal medulla.
9. Functions and hormones secreted by posterior pituitary.
10. Short notes on hyper function of the glands.
11. Short notes on hypo function of the glands.
- 12 explain pineal body.
13. Describe pancreas.

15 Marks Questions

1. Endocrine glands and their function.
2. Hypo and hyper function of glands.
3. Pituitary gland

4. Detailed about adrenal gland.
5. Structure of pancreas ,about its secretion and control of secretory activity.
6. Neat sketch on endocrine glands.
7. Detail about reproductive organs and their functions.
8. Detail about thyroid and para thyroid hormones and their functions.
9. Explain the functions of endocrine glands

Unit – III 6 Marks Questions

1. What are the main function of respiratory system
2. Tabulate the composition of inspired and expired gas . Explain it
3. discuss partial pressure of gas in detail
4. Differentiate hunger and appetite
5. Write a short note on movement of intestine
6. When the person feel satiety and its physiological and psychological factors
7. Explain cardiac rhythm in gi tract secretions.

15 Marks Questions

1. Explain respiratory system
2. write a brief note on factors affecting food intake
3. Elaborate anatomy of gastro intestinal tract
4. Define hunger, appetite and satiety and its physiological and psychological factors.

UNIT –IV 6 Marks Questions

1. Explain the formation of urine.
2. Give an account on acid base balance.
3. List the function of blood.
4. Explain the origin and conduction of heart beat.
5. Explain the latest development in cardiac condition.

6. Brief the functions of blood and composition.
7. What are function of plasma protein.
8. Discuss the latest development in cardio vascular health care.

15 Marks Questions

1. Given in detail about ecg and cardiovascular mechanism.
2. Explain excretion.
3. Explain formation of urine.
4. Brief on origin and conduction of heart beat.
5. Explain ecg.

UNIT-V 6 Marks Questions

1. Give in detail about Antigen and antibody Interaction.
2. Discuss about auto immune disorders.
3. Write about Natural and acquired immunity.
4. Describe the features of immune response.
5. Enumerate different types of allergies.

15 marks Questions

1. Explain immunity.
2. Describe Auto immune disorders and allergy.