

BSc III YEAR V – SEMESTER**Physiology and Biochemistry****QUESTION BANK****Unit-I****Essay Answer Type**

1. Explain about the physiology of digestion.
2. Discuss the mechanism of muscle & nerve physiology
3. Write about composition of blood.
4. Explain about hormones secreted by pituitary gland.
5. Describe briefly about thyroid & pancreas hormones.

Short answer type

1. Physiology of vision
2. Explain the process of coagulation
3. Thyroid hormones
4. Hormones of pancreas

Unit-II**Essay Answer Type**

1. Describe the structure of proteins.
2. Write about carbohydrates and explain their classification with examples.
3. What are the different factors affecting enzyme activity?
4. Explain the process of glycolysis.
5. Write about TCA cycle.
6. Write a short note on i) Purines, ii) Pyrimidines, iii) Nucleosides & iv) Nucleotides
7. Describe the structure of DNA & RNA.
8. Explain about nucleic acid metabolism.
9. What are lipids? Explain their classification & importance.

Short answer type

1. What are the different properties of water.
2. Write about pH & buffer

3. Write about β -oxidation of fatty acids
4. Explain the process of gluconeogenesis
5. Describe the process of denaturation
6. Write about enzyme classification
7. De novo synthesis of fatty acids
8. Explain about SGOT & SGPT
9. Write about LDH & CPK
10. Properties of amino acids

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