

B.Sc. DEGREE EXAMINATION, APRIL 2020
I Year II Semester
Allied Chemistry -II

Time : 3 Hours

Max.marks :60

Section A ($10 \times 1 = 10$) Marks

Answer any **TEN** questions

1. How are carbohydrates classified?
2. Draw the open chain and ring structure of glucose.
3. What are essential and nonessential amino acid?
4. What are proteins?
5. Define analgesics. give example.
6. What are antipyretics? give examples.
7. Give any two examples for local anesthetics.
8. What is sublimation?
9. What are the uses of paper chromatography?
10. What is cellulose acetate?
11. What is fractional distribution?
12. Differentiate DNA and RNA.

Section B ($5 \times 4 = 20$) Marks

Answer any **FIVE** questions

13. Explain the interconversion of glucose to fructose.
14. Describe the Bergmann process of synthesis of a dipeptide.
15. Discuss the causes and treatment of diabetes.
16. Explain vacuum distillation?
17. Describe the principle of TLC.
18. Write the properties of starch.
19. Write the classification of amino acid.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Discuss the ring structure of glucose.
21. How are proteins classified according to composition?
22. Explain the causes and treatment of cancer and AIDS.
23. Describe crystallization and steam distillation.
24. Explain the principle and application of column chromatography.

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