

# **SREE CHAITANYA MAHAVIDYALAYA**

(Affiliated by WEST BENGAL STATE UNIVERSITY)

**Internal Examination, 2021 – Sem. IV**

**B.Sc. - General**

**PAPER-CODE: CEMSSEC02M**

**PAPER-NAME: Chemistry-SEC**

**Time: 1 Hour**

**Full Marks: 20**

**A. Answer the following short questions: (any five) (1X 5 = 5)**

1. Write down the full form of NADPH.
2. What is the simplest amino acid called?
3. Which nitrogen base does not present in DNA?
4. What is the pH of the human body?
5. Write down the structure of sucrose.
6. What is the role of hydrolase enzyme?

**B. Answer the following questions:**

**(5X 3 = 15)**

1. a) Write down the effect of temperature on enzyme activity.  
b) Convert Glucose to Fructose. **(3+2)**
  
2. a) Write a short note on RNA.  
b) What are the pyrimidine bases present in DNA? **(3+2)**
  
3. a) What is the difference between  $\alpha$ -helix structure and  $\beta$ -pleated structure of proteins?  
b) What is meant by the Denaturation of proteins? **(3+2)**

CLICK THE LINK BELOW TO SUBMIT ANSWER-SCRIPT (In single PDF)

<https://forms.gle/5TVZu6n9M8XCT3936>