

**B.Sc 3<sup>rd</sup> Semester Examination, 2020**

**Zoology Honours**

**Paper CC7-P**

**Fundamentals of Biochemistry**

**Full Marks 30**

**Time 2 hours**

*[The figures in the margin indicate full marks]*

1. Identify the biochemical nature of the following samples. Mention name of tests to be performed, observations and inferences for identification of each sample. 5 x 3 =15
  - A. Fat (eg coconut oil)
  - B. Sucrose
  - C. Glucose
  - D. Albumin
  - E. Peptone
  
2. Write down the procedure, observation and possible inference of the following tests:- 3½ x 2 =7
  - A. Schiff's Test
  - B. Hypobromite Test
  
3.
  - A) Write down Lambert-Beer's law.
  - B) Explain the chemical basis/ principle of modified Lowry's colorimetric method for quantitative estimation of protein. 4 + 4 = 8