

**PG CBCS**  
**M.SC. Semester-II Examination, 2021**  
**ZOOLOGY**  
 PAPER: ZOO 295  
**(PRACTICAL)**

**Full Marks: 50****Time: 3 Hours**

*The figures in the right-hand margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.*

**Group-295.1****(Marks: 25)****(ECOLOGICAL PRINCIPLES)****Answer ONE questions of the following:**

1. Describe the procedure of estimation of primary productivity in aquatic ecosystems. Explain the principle and procedure of estimation of transparency of water. 15+10
2. Write down the procedure of determination of minimum size and number of quadrat by species area curve method. Describe the methodology for the study of density, diversity, frequency and abundance of plant community. 15+10

**Group-295.2****(Marks: 25)****(BIOCHEMISTRY)****Answer ONE questions of the following:**

1. Write down the principle, required reagents, procedure for quantitative estimation of protein- Lowry method or by Folin- Ciocalteu reagent. 5+5+15
2. Write down the Principle, required reagents, Procedure for quantitative estimation of DNA by diphenylamine reagent. 5+5+15