

**2020**  
**M.Sc 4<sup>th</sup> Semester Examination**  
**ZOOLOGY**  
**Paper-Z00495B**

*Full marks- 40*

*Time-2 hrs*

*The figures in the margin indicate full marks.*

*Candidates are required to give their answer in their own words as far as practicable. Illustrate the answer wherever necessary.*

***Use separate Answer-scripts for Group-A & Group-B***

MSc 4<sup>th</sup>sem Practical (Special Paper)

Paper Zoo- 495 B

1. a) Estimate the degree of faunal similarity. 5
- b) Estimate the alpha, beta and gamma diversity from the data provided. 5
2. Compute micro distribution pattern for spatial distribution. 10
3. Calculate density, abundance, frequency and Shannon weiner diversity index from the given community data. 12
4. Idebtify with its applications 4+4
- a) \_\_\_\_\_
- b) \_\_\_\_\_
5. Laboratory note book & Assessment 5
6. Viva voce 5