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| <p align="center"><b>Anjuman Islam Janjira Degree College of Science</b><br/> <b>Murud-Janjira, Raigad-402401</b><br/>         Affiliated to University of Mumbai<br/>         As per NEP 2020</p> |                                |
| <b>Class: -F.Y.B.Sc (G.S)</b>                                                                                                                                                                      | <b>Subject: - Zoology</b>      |
| <b>Semester:- II Additional</b>                                                                                                                                                                    | <b>Course code: - MJ2</b>      |
| <b>Exam Event:- (SH) Winter 2025</b>                                                                                                                                                               | <b>Marks: -30</b>              |
| <b>Date: - 23/09/2025</b>                                                                                                                                                                          | <b>Duration: - 01:00 Hours</b> |

N.B:

1. **All** questions are compulsory.
2. **Figures** to the right indicate full marks.
3. Use of log-table/nonprogrammable calculator is allowed.
4. Answer for the same question as far as possible should be written together.
5. Attempt any two questions out of four.



**Q. 1. Write short note on the following.**

- a. Explain population dispersion pattern. 05
- b. Discuss the age structure with suitable diagram. 05
- c. Write a short note on species diversity. 05

**Q. 2. Write short note on the following.**

- a. What are the scope and significance of biodiversity. 05
- b. *In-Situ* conservation of biodiversity. 05
- c. What is Mutualism? Explain it with suitable example. 05

**Q.3. Answer the following.**

- a. Describe fresh water ecosystem in detail. 08
- b. What are the threats to biodiversity, explain in detail. 07

**Q.4. Answer the following.**

- a. Explain the direct uses of biodiversity 08
- b. What are survivorship curves? Describe their types with examples. 07