

Anjuman Islam Janjira Degree College of Science Murud-Janjira, Raigad-402401 Affiliated to University of Mumbai As per NEP 2020	
Class: -F.Y.B.Sc (G.S)	Subject: - Zoology
Semester:- I Additional Exam	Course code: - MJ1
Exam Event:- (FH) Summer 2026	Marks: -30
Date: - 23/02/2026	Duration: - 01:00 Hours

N.B:

1. Attempt any two questions out of four.
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.



Q. 1. Write short note on the following.

- a. Write a note on modes of heterotrophic nutrition. **05**
- b. What are the composition and functions of human blood? **05**
- c. Describe the steps involved in the binary fission of *Paramoecium*. **05**

Q. 2. Write short note on the following.

- a. Describe the structure of the neuron with the help of a neat labelled diagram. **05**
- b. What is asexual reproduction? Enlist the types of it and briefly explain. **05**
- c. Explain how Amoeba ingests and digests its food without an alimentary canal. **05**

Q.3. Answer the following.

- a. Construct a three-chambered heart structure and explain it. **08**
- b. Write a detailed note on the process of spermatogenesis. **07**

Q.4. Answer the following.

- a. Explain internal fertilization in animals and give its advantages and disadvantages. **08**
- b. Describe the structure of the flagella. **07**