

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	Course code: - MJ1
Exam Event:- Winter 2024 (SH)	Marks: -30
Date: - 18/11/2024	Duration: - 01:00 Hours

N.B:

1. Attempt any two questions out of four.
2. Figures to the right indicate full marks.
3. Draw neat labelled diagrams wherever necessary.

Q. 1. Write short note on the following.

- a. Explain how Amoeba ingests and digests its food without an alimentary canal. 05
- b. Define single and double circulation with suitable diagram. 05
- c. Explain the steps involved in the process of budding in Hydra. 05

Q. 2. Write short note on the following.

- a. What is asexual reproduction? Enlist the types of it. 05
- b. What is resting potential and acting potential. 05
- c. Define aerobic and anaerobic respiration. 05

Q.3. Answer the following

- a. Discuss the nutritional apparatus in hydra. 08
- b. Define excretion? Categorized animals on the basis of its nitrogenous excretory products 07

Q.4. Answer the following

- a. What is gametogenesis? Describe the spermatogenesis. 08
- b. Construct a three chambered heart structure and explain it. 07