

Anjuman Islam Janjira Degree College of Science Murud-Janjira, Raigad-402401 Affiliated to University of Mumbai	
Class: -F.Y.B.Sc.(G.S)	Subject: - Botany - I
Semester:- II Additional	Course code: -USBOH101
Exam Event:- (SH) Winter 2025	Marks: - 30
Date: - 22/09/2025	Duration: - 1 hours

- Note: • Attempt any two questions out of four questions.
• All questions carry equal marks.
• Draw neat and labeled diagrams wherever necessary



Q.1. Answer the following:

- A) Describe the ultrastructure and function of cell wall. 08
B) Explain concept, need and scope of ecology. 07

Q.2. Answer the following:

- A) Discuss in detail ultrastructure of plasma membrane. 08
B) Write note on environmental problem and its impacts natural and artificial ecological imbalance. 07

Q.3. Answer the following:

- A) Explain in detail the pond ecosystem. 08
B) Describe the mitosis in plant cells and its significance. 07

Q.4. Answer the following:

- A) Write note on climate change-ozone depletion and greenhouse effect. 08
B) Discuss the history, concept and definition of genetic term –Gene, genome, allele and phenotype. 07