

**Anjuman Islam Janjira Degree College of Science**  
**Murud-Janjira, Raigad-402401**  
**Affiliated to University of Mumbai**

As per NEP 2020

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| <b>Class: - S.Y. B.Sc. (G.S)</b>      | <b>Subject: - Minor Botany (Integrated Approaches in Plant Sciences II)</b> |
| <b>Semester: - IV</b>                 | <b>Course code: -</b>                                                       |
| <b>Exam Event: - Summer 2026 (FH)</b> | <b>Marks: -30</b>                                                           |
| <b>Date: - 07/03/2026</b>             | <b>Duration: - 1:00 Hours</b>                                               |

**NB:**

1. Attempt **any 2** questions **out of 4** questions
2. All Questions carry equal marks.
3. Draw neat and labelled diagrams wherever necessary.

**Q1 Answer the following**

**15M**

1. What are gymnosperms? Enlist Interesting Facts about gymnosperms.
2. Describe the characteristic features of meristematic cells.

**Q2 Answer the following**

**15M**

1. Describe the structure and functions of the leaf.
2. Explain in detail steps of glycolysis.

**Q3 Answer the following**

**15M**

1. What are the permanent tissues, and explain any two types?
2. Define edges and its importance in gardens.

**Q4 Answer the following**

**15M**

1. Calculate the coefficient of correlation between X and Y.

|          |   |   |   |   |    |
|----------|---|---|---|---|----|
| <b>X</b> | 2 | 4 | 6 | 8 | 10 |
| <b>Y</b> | 1 | 3 | 5 | 7 | 9  |

2. Write a note on arch and pergola

