

Raja N. L. Khan Women's College (Autonomous)
End Semester Examinations-2022

BOTANY [PG-CBCS]

[M. Sc] (Practical)

PAPER-306 A

Paper – ECOLOGY AND ENVIRONMENTAL BIOLOGY

Full Marks: 25

Time: 02 Hrs

Answer all questions

The figures in the right hand margin indicate marks

1. Perform the experiment as instructed by examiner.
 - i. Select your plant materials (at least two plant parts) and prove the special development of internal tissues for aeration with proper sectional workout. labelled diagram and comments. 2+2+2+2=8
 - Or
 - ii. Select your plant materials (at least two plant parts) and prove heavy cuticularization and cutinisation of epidermis with proper sectional workout and labelled diagram and comments. 2+2+2+2=8
2. Perform the experiment as instructed by examiner.
 - i. Calculate Frequency, Density and Abundance of herbaceous community using quadrat method in your campus. Quadrat number should be 4. Write procedure and result with comments. 3+2+1=6
 - Or
 - ii. Calculate IVI of the herbaceous community using quadrat method in your campus. Quadrat number should be 4. Write procedure and result with comments. 3+2+1=6
3. Identify the specimens with proper reasons: 1½ X 2=3

A & B
4. Submission of report based on ecological study of local area. 3
5. Submission of Laboratory note book 2
6. Viva-Voce 3