

Proposed Practical Syllabus of Botany for B.Sc. Part III

Maximum Marks – 75

The details of various exercises and marks distribution covering entire syllabus will be as follows-

Plant Resources: **06 Marks**

Comments on given plant specimen/Plant products

Palynology: **05 Marks**

(i) Pollen germination by hanging drop experiments

(ii) Pollen viability test

Biostatistics: **06 Marks**

Numerical problems on

Mean

Median

Mode

M.D.

S.D.

Chi square

Molecular Biology **07 Marks**

Test of the activity of enzyme amylase from germinating seeds/colour test of given sample

Biotechnology

07 Marks

Comments upon tools/instruments used in the study of molecular biology/
biotechnology.

Ecology:

07 Marks

Ecological adaptations on following plants:

Capparis stem

Calotropis stem

Asparagus stem

Nerium leaf

Casuarina stem

Vanda root

Ficus aerial root

Hydrilla stem, etc.

OR

Calculation of density, relative density, frequency and abundance of
vegetation by quadrat method with the help of provided data.

Environmental Pollution:

04Marks

Study of polluted water

Plant Pathology:

07 Marks

Mosaic diseases on tobacco

Yellow vein mosaic of bhindi;

Citrus canker,

Little leaf of brinjal;

Damping off of seedlings

Late blight of potato,

Red rot of sugarcane,

White rust of crucifers,

Wheat rust

Linseed rust.

Comments upon spots 1-8

08 Marks

Viva-voce

06 Marks

Collection /Chart

06 Marks

Practical Record

06 Marks