

2019

B.Sc.

4th Semester Examination

BOTANY (Honours)

Paper - GE4P

[Practical]

Instructions to the Examiners.

1. For each batch of candidate specimen 'A' should be selected alternately and should be supplied to the candidates of the same batch from the following :

X-erophyte (*Nerium* leaf) / hydrophyte (*Hydrilla* stem)/ embryo of developing seed/endosperm of developing seeds.

2. For identification permanent slides/models/photographs of the following specimens to be provided for 'B', 'C', 'D'.

(a) Tissues (Parenchyma / collenchymas / Sclerenchyma);

(b) Any macerated Xylary elements;

[Turn Over]

- (c) Any Phloem elements;
 - (d) T.S. of (*Zea mays* / *Helianthus* sp.);
 - (e) T.S. of Root (*Zea mays* / *Helianthus* sp.);
 - (f) T.S. of leaf (any dicot / mono cot species);
 - (g) Anther (Young / Mature);
 - (h) Ovules (anatropous / orthotropous / circinotropous / amphitropous / campylotropous).
3. Candidate should have to submit Laboratory Note Book duly signed by the teacher(s).
4. Viva-Voce (on the subject covered in practical syllabus).
-