

2019

3rd Semester Examination

BOTANY (General)

Paper : DSC 2C-P

[Instruction to the Examiners]

1. Any *two* specimens as sample 'A' should be selected and supplied alternately from the following materials.
 - (i) Dicot Stem—*Helianthus* sp.
 - (ii) Monocot Stem—*Zea mays*.
 - (iii) Hydrophytic Stem—*Hydrilla* sp.
 - (iv) Monocot root—*Zea mays*.
 - (v) Dicot root—*Helianthus* sp.
 - (vi) Xerophytic leaf—*Nerium* sp.

2. Specimen 'B', 'C', 'D', 'E' should be given from the following items—

[Turn Over]

- (i) Macerated xylem elements or phloem (permanent slides/photographs)
 - (ii) T.S. of mature anther (slide/photograph)
 - (iii) L.S. of anatropous ovule (slide/photograph)
 - (iv) Polygonum type of embryo sac (slide/photograph)
 - (v) Electron micrograph of mature egg apparatus.
 - (vi) Self or cross pollinated flower (specimen)
 - (vii) Nuclear endosperm (slide/photograph)
 - (viii) L.S. of dicot embryo (slide/photograph)
 - (ix) Germinated pollen grain (slide/photograph)
3. Laboratory Note Book should be properly signed by the concerned teacher(s).
 4. Examiners should ask any question related to practical syllabus.
 5. Endorsement of the concerned examiner should be done whenever required.
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