

**PG (NEW) CBCS**  
**M.Sc. Semester-II Examination, 2019**  
**BOTANY**  
**PAPER: BOT-295**  
**(PRACTICAL)**  
**(PLANT ANATOMY & PHARMACOGNOSY)**  
**Full Marks: 50** **Time: 00 Hours**

**Use separate Answer-scripts for Unit-I & Unit-II**

**UNIT-I**

**BOT 295.1 ANGIOSPERM TAXONOMY & BIOSYSTEMATICS**

1. Draw, label, dissect, and describe the specimen 'A' and identify upto species with help of literature/ relevant flora. 12  
 (Drawing- 3; Label- 1; Workout- 2.5; Description- 4; Identification- 0.5+0.5+0.5)
2. Identify the family, genus, and species of specimens 'B' and 'C'. (0.5+0.5+0.5)×2
3. Submission of field report. 2
4. Submission of herbarium specimens and Laboratory note book. 2+2
5. Viva-voce 4

**UNIT-II**

**UNIT II: BOT 295.2 PALAEOBOTANY, PALYNOLOGY & PLANT  
 REPRODUCTIVE BIOLOGY**

**Marks-25**

1. Work out the sample 'A' using acetolysis technique and describe with sketches. Mention NPC of the sample. 9  
 (Slide preparation-2; Description with sketches-6; Mention the NPC-1)
2. Identify the specimens 'B' and 'C' with reasons. 3×2
3. Laboratory note book 5
4. Viva voce 5

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