

(Total No. of Questions -8)

(Total No. of Pages- 1)

B.Sc. VI Semester Examination (supplementary/CBCS)

BOTANY

Course No. : UBOTE-601

Time Allowed: 3 hours

Maximum Marks – 80

Note: All the questions carry equal marks. Candidates are required to answer any four questions.

- 1. Discuss the cultivation and processing of cotton.**
- 2. Discuss the extraction and processing of commercial rubber.**
- 3. Write the common name, botanical name and uses of any five medicinal plants found in your region.**
- 4. Discuss the cultivation and utilization of apple.**
- 5. Define Somatic embryogenesis and describe the various methods of somatic embryo formation.**
- 6. Define micro propagation and discuss the various techniques of micro propagation.**
- 7. Write a short note on following:**
 - (a) Southern blotting.**
 - (b) cDNA libraries.**
- 8. Discuss the importance of biotechnology in crop improvement with the help of suitable examples.**