

B.Sc. 3rd Semester (Honours) Examination, 2019-20**BOTANY****Course ID : 31312****Course Code : SHBOT-302C-6**

Course Title: Economic Botany and Pharmacognosy

Time: 1 Hour 15 Minutes**Full Marks: 25***The figures in the right hand side margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer *any five* of the following: 1×5=5
- (a) What are non-drying oils?
 - (b) Give the scientific name of ground nut.
 - (c) Mention one byproduct of sugarcane industry.
 - (d) What is coir fibre?
 - (e) Name two active constituents of *Adhatoda*.
 - (f) Give the scientific name and family of Teak.
 - (g) State the morphological nature of Saffron.
 - (i) What is Black tea?
2. Answer *any two* of the following: 5×2=10
- (a) Mention any two different species of cotton. What is Fuzz fibre? Give the extraction procedure of cotton fibre. 1+1+3=5
 - (b) What is the native place of Para-rubber? Briefly describe the processing and two uses of Para-rubber. 1+3+1=5
 - (c) Mention the scientific name, family and economic importance of Black pepper. 1+1+3=5
 - (d) What is essential oil? What are the difference between essential oil and Fatty oils? Mention the scientific name and useful part of one essential oil yielding plant. 1+3+1=5
3. Answer *any one* of the following: 10×1=10
- (a) Describe microscopic characters of *Cinchona* bark. Mention active principles and therapeutic uses of *Cinchona*. 4+4+2=10
 - (b) Describe the cultivation procedure of rice. Where CRRI is located? 9+1=10