

ASUTOSH COLLEGE
DEPARTMENT OF BOTANY
B. Sc. HONOURS (BOTANY)
SEMESTER – III (CBCS, UNDER C.U.)
BOTA-CC7 (Plant Systematics)

Time: 1½ hr

Full marks: 30

PRACTICAL

1. Answer the following 3 questions. (3 x 5) = 15
- a. Write the diagnostic characters of Malvaceae family. 5
- b. Make the necessary corrections in the floral formula and rewrite: 2½ + 2½ = 5

i) *Oldenlandia corymbosa* $Br_1, Br_{10} \oplus \overset{\sigma}{\text{K}}_{(4)} \overline{C_4} \overline{A_4} \underline{G}_{(2)}$

ii) *Leucas aspera* $Br_1, Br_{10} \oplus \overset{\sigma}{\text{K}}_{(5)} \overline{C_{(2+3)}} \overline{A_{(2+2)}} \underline{G}_{(2)}$

- c. Draw the floral diagram of a typical Faboideae /Papilionaceae flower studied by you. 5
2. Write only 3 identifying features of each plant specimen as observed from the photographs provided below and identify the family (A, B, C, D and E). {(2+1) x 5} = 15



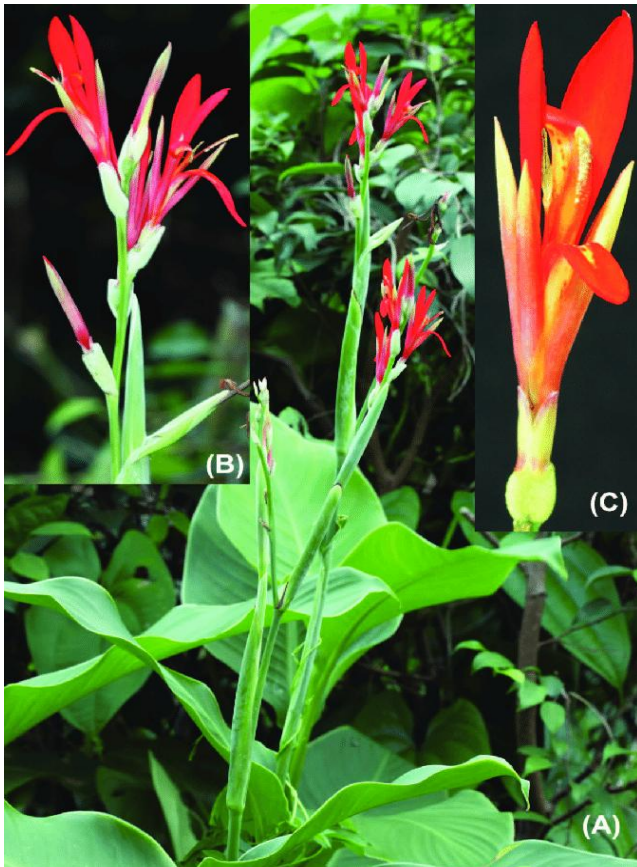
A.



B.



C.



D.



E.

Note: Answer scripts must be mailed in **PDF format** within **30 min** at the end of exam at email id: asutoshbotany@gmail.com