

PG CBCS
M.SC. Semester-III Examination, 2021
BOTANY
PAPER: BOT 396
(PRACTICAL)

Full Marks: 50

Time: 4 Hours

Write the answer for each unit in separate sheet

BOT 396.1

ECOLOGY & ENVIRONMENTAL BIOLOGY

- 1. Answer any ONE question from the following: **1X15= 15****
- a. Draw and describe the leaf anatomy of *Nerium oleander* . Mention different xerophytic adaptations found on that leaf. 6+4+5
- b. What do you mean Raunkier's life forms? Write down the three guiding rules in the selection of these life forms. Discuss about different life form groups. 3+6+6
- c. Write down the requirements to study the plant communities by quadrat method. Write the formula to determine frequency, density and abundance. Write the method for the determination of frequency, density and abundance. 3+3+9
- 2. Answer any ONE question from the following: **1X15= 10****
- a. Write down the morphological and anatomical aquatic adaptive features of *Eichhornia crassipes*. Draw and label the T.S of petiole of water hyacinth. 6+4
- b. Write the method for the determination of IVI of plants. Mention different adaptive features of *Vanda* sp. 5+5

BOT 396.2
SEMINAR

1. Submit your review work duly signed by your teacher and present the same in ppt mode. 15+10
