



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 3) Internal Examination - 2025
US03MABOT02: PLANT MORPHOLOGY AND TAXONOMY

Date: 24/09/2025
Time: Wednesday

Time: 2.45 P.M.- 4.15 P.M.
Total marks :30

Q-1 6-MCQ

(6Marks)

- (1) Largest number of plant species belong to _____.
(a)Thallophyta (b)Pteridophyta (c)Algae (d)Angiosperms
- (2) Aerial adventitious roots which develop chlorophyll, are called ____ roots.
(a)assimilatory (b)tuberous (c)storage (d)epiphytic
- (3) In spiral phyllotaxy, the number of leaves at each node is: _____.
(a)one (b)two (c)three (d)many
- (4) Pollen grains are received by:
(a) style (b)stigma (c)ovary (d)ovule
- (5) Diadelphous stamens are found in _____.
(a) Papilionaceae (b)Malvaceae (c)Compositae (d)Solanaceae
- (6) The standard size of an herbarium sheet is:
(a)28.75 ×41.25 c.m. (b)25.15×40.25 c.m.
(c)18.75×41.25 c.m. (d)28.75×35.25 c.m.



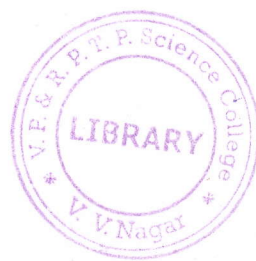
Q-2 Describe: Modification of tap root.

(6Marks)

OR

Q-2 Describe: Underground modifications of stem.

(6 Marks)



Q-3 Draw a labelled diagram of a typical leaf. Describe: Phyllotaxy.

(6Marks)

OR

Q-3 Describe: Racemose Inflorescence.

(6Marks)

Q-4 Draw a labelled diagram of a typical flower. Describe its various parts.

(6Marks)

OR

Q-4 Write an essay on dispersal of fruits and seeds.

(6Marks)

Q-5 Give silent features of Bentham & Hooker's classification.

(6Marks)

OR

Q-5 Describe vegetative and reproductive characters of family Malvaceae

(6Marks)