

B. N. BANDODKAR COLLEGE OF SCIENCE, THANE - 400 601.

FIRST TERM EXAMINATION OCT. - 2010

S. Y. B. Sc.

TIME : 2 Hrs.

SUBJECT : BOTANY - I

MARKS : 60

N. B. : 1. All questions carry equal marks.

2. All questions are compulsory.

3. Draw neat and labeled diagrams wherever necessary.

Q.1 A) Answer in ONE sentence :

i) What is the name of the female reproductive structure in Batrachospermum? [1]

ii) Name the disease caused by Erysiphe and mention any one host plant. [1]

iii) Which family Corchorus capsularis (JUTE) belongs to ? [1]

B) Answer ANY TWO of the following :

i) Describe the internal structure of Anthoceros thallus and point out the significance of mucilage cavities. [6]

ii) Describe the cleistothecium of Erysiphe. [6]

iii) With reference to taxonomy explain morphological characters of stem, root & leaf. [6]

Q.2 A) Explain the external characters of Sargassum. [7]

B) Describe the sex organs in Anthoceros. [8]

OR

B) Describe the structure of Axis or Stem and Leaf of Funaria. [8]

Q.3 A) Describe the fruiting body (Basidiocarp) of Agaricus. [7]

B) Describe the structure of mycelium in Ustilago. Add a note on its diploidization. [8]

OR

B) Discuss the causal organism, symptoms and control measures of Early blight disease of potato. [8]

Q.4 A) Describe the morphological peculiarities of family Cruciferae. [7]

B) Discuss the morphological peculiarities and economic importance of family Myrtaceae. [8]

OR

B) Comment on Taxonomy - Systematics & Documentation. [8]