

B.Sc. Sem-I
Practical Examination 2020-21
BOTA
Paper: CC-1

F.M.- 30

Time: 1h 30 mins

Answer the following questions:

(3x10=30)

1. a) Name the reproductive structures you can find in the specimen of *Chara* sp. (2)

b) If you find 5 stage micrometer division is equals to 3.3 cm in scale measurement in high power (40X) of microscope, then calculate the magnification of the object you can draw with the help of Drawing prism. (5)

c) Draw a free-hand drawing of plurilocular sporangia of *Ectocarpus* sp. with proper labeling. (3)
2. a) Write the identifying characters of *Volvox* sp. colony. (5)

b) Write the identifying characters of *Sargassum* sp. (5)
3. a) Make a flow-chart of Gram staining procedure of bacterial culture. (4)

b) What is i) Nutrient broth and ii) Nutrient agar? (2x2=4)

c) What is sub-culture? (2)