

2021
B.A./B.Sc.
First Semester
CORE – 1
BOTANY
Course Code: BOC 1.11
(Phycology & Microbiology)

PART-B
Total Mark: 30

Answer the following questions.

6×5=30

1. Give a brief account on Darwin's theory of evolution.
 2. Using appropriate diagram, describe the process of conjugation in bacteria.
 3. Describe the lytic life cycle of virus with appropriate diagram.
 4. Discuss the pigment system and the types of flagella observed in algae.
 5. Explain the process of fertilization and post-fertilization found in *Polysiphonia* with suitable diagram
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