

PAPER-I, SEMESTER-I

Paper-I - IT: Microbial Diversity, Algae & Fungi

SECTION - A5x5M = 25MAnswer Any FIVE of the following questions.

- ① Embryological Evidences ② Transformation
 ③ Heterocyst ④ Diplobiontic life cycle
 ⑤ Asexual Reproduction in Penicillium ⑥ Agar-Agar
 ⑦ Mycoplasma ⑧ SCP.

SECTION - B (Essay Questions)Answer ALL of the following questions5x10M = 50M

- ⑨ Briefly state the major theories of origin of life? Which one of them has scientific basis?
OR
 Give an account of Archeobacteria. Mention their ecological significance.
- ⑩ ~~Describe~~ Describe the symptoms and transmission methods of Virus diseases.
OR
 Describe the cell structure of Bacterium with neat labelled diagram.
- ⑪ Describe the general characters of Cyanobacteria
OR
 Describe the structure and reproduction of lichens.
- ⑫ Describe the process of sexual reproduction in Ectocarpus.
OR
 Describe the life history of Oedogonium.
- ⑬ Describe the structure and modes of reproduction in Albugo
OR
 Write an account of the complete life history of Puccinia.