

B. Sc. Part I (Part – I) Semester I (NEP) Examination, Oct./Nov. 2023

Botany Paper I

Microbes, Algae and Biofertilizers

Sub. Code: 88181

Total Marks: 40

Day and Date: Wednesday, 08/11/2023

Time: 02.30 am to 04.30 pm

Q1. Select appropriate answer from each of the following and rewrite the sentence. (08)

- 1).virus is transmitted through bites of Infected animals.
a. Polio b. Cancer c. HIV d. Rabies
- 2). Capsid of virus is made of subunits known as.....
a. Protein b. Capsomer
c. Lipid d. Lipoprotein
- 3).is called as father of microbiology
a. Beijerinck b. Watson
c. Alexander d. Anton Van Leeuwenhoek
- 4).is a biofertilizer
a. Spirogyra b. Riccia c. Pteris d. Rhizobium
- 5). Spirogyra is..... Alga
a. Thermophytic b. Sea water
c. Marine water d. Fresh water
- 6). In leguminous plants, Rhizobium fixes atmospheric nitrogen into.....
a. Carbon b. Ammonia c. Oxygen d. Phosphate
- 7). In *Nostoc* Plays an important role for nitrogen fixation.
a. Globule b. Nucule c. Heterocyst d. Akinete
- 8). Agar- Agar is obtained from..... a marine red alga.
a. Laminaria b. Gelidium c. Fucus d. Ulva

Q2. Attempt any TWO of the following.

(16)

- 1). Described Reproduction in *Nostoc*.
- 2). Described General character of Bacteria.
- 3). What is Virus? Describe general character of virus.

Q3. Attempt any THREE of the following.

(16)

- 1). Types of bacteria.
- 2). BGA as Biofertilizer
- 3). Positive economic importance of algae.
- 4). Rhizobium
- 5). T4 bacteriophage
- 6). Heterocyst
