

# GURUDAS COLLEGE

## B. Sc. SEMESTER I (Honours) Examination, 2020 Online Internal Assessment, 2020

**Subject: BOTA**

**Subject Category: Honours**

**Course: BOT-A-CC-1-1-IA**

**Course Name: PHYCOLOGY AND MICROBIOLOGY**

**Date of Examination: 3<sup>rd</sup> March, 2021**

All questions carry equal marks

**Full Marks – 10**

**Time – 30 minutes**

*Answer any 5 (five) of the following questions*

5 x 2 = 10

Q.1 Volutin is reserve food of

- a) Cyanophyta
- b) Phaeophyta
- c) Bacillariophyta
- d) Xanthophyta

Q.2 *Chara* can reproduce vegetatively by

- a) Amylum stars
- b) Bulbils
- c) Secondary protonema
- d) All of the above

Q.3 Flagella is present in

- a) Cyanophyta
- b) Chlorophyta
- c) Rhodophyta
- d) None of the above

Q.4 Which one of the following statements is true?

- a) Carposporophytic phase of *Polysiphonia* is gametophytic.
- b) Tetrasporophytic phase of *Polysiphonia* forms carposporangia.
- c) Tetraspores of *Polysiphonia* are haploid spores.
- d) *Polysiphonia* has two gametophytic phases and one sporophytic phase in its life cycle.

Q.5 Which of the following contains structures composed of N-acetylmuramic acid and N-acetylglucosamine?

- a) Amoeba
- b) *Bacillus*
- c) *Rhizopus*
- d) *Chara*

Q.6 Which of the following is a helical virus?

- a) TMV
- b) T4 Phage
- c) Pox virus
- d) Herpes virus

Q.7 The association of Endotoxin in gram-negative bacteria is due to the presence of

- a) Peptidoglycan
- b) Lipopolysaccharide
- c) Polysaccharide
- d) Pseudomurin

Q.8 The ability of a cell to uptake DNA fragments from the surrounding is known as

- a) Hfr
- b) Fecundity
- c) Competence
- d) Fitness

### **Instructions for submission of answer scripts**

1. Write the front page/top sheet as per instruction.
2. Scan the pages in sequence and make a single PDF file.
3. Rename file as per instruction.
4. Email the PDF file within the stipulated time to the following

Email IDs :

- 1) **botahons2020@gmail.com**
- 2) **bothons2020on@gmail.com**
- 3) **sem1botaGDC2020@gmail.com**