

GURUDAS COLLEGE

B. Sc. SEMESTER V (General) Odd Semester Examination, 2021

Online Internal Assessment

Subject: BOTG

Subject Category: General

Course: BOT-G-SEC-A-3/5-2

Course Name: **BIOFERTILIZERS**

Date of Examination: 4th Jan, 2022

All questions carry equal marks

Time: 30 minutes

FM: 10

Answer any five from the following

2×5 = 10

Q.1 YEM culture medium is used for

- A. Fungal culture
- B. *Rhizobium* culture
- C. *Mycorrhizae* culture
- D. *Azolla* culture

Q.2 Free living nitrogen fixing bacteria are

- A. *Bacillus* sp
- B. *Frankia* sp
- C. *Rhizobium* sp
- D. *Clostridium* sp

Q3. Actinorhizal angiospermic genera is

- A. *Purshia* sp

- B. *Sida* sp
- C. *Adhatoda* sp
- D. *Psidium* sp

Q4. Mycorrhizal fungi, *Rhizoctonia* are associated with

- A. Ericaceae plant
- B. *Monotropa* sp
- C. Leguminosae
- D. None of the above

Q.5. *Azospirillum* sp can be survive up to 31 weeks in

- A. Sandy soil
- B. Human soil
- C. Farm Yard Mannure + soil
- D. Charcoal dust

Q.6 Nitrogen fixation is optimal for *Azolla- Anabaena* symbiosis at

- A. pH. 7 and 28°C
- B. pH.8 and 20°C
- C. pH. 6 and 20°C
- D. pH. 7.5 and 30°C

Q.7 Which pair is correct

- A. VAM-----*Rhizoctonia*
- B. Ericoid Mycorrhiza-----*Russula*
- C. Ectomycorrhiza_____ *Wilcoxina*
- D. Arbutoid Mycorrhiza_____ *Gymnascella*

Q.8 Calcutta city sewage effluent contain high

- A. NPK
- B. Low N and high K
- C. High P and low N
- D. High N and available P

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 id

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