2018/TDC/ODD/BOTC-101T/086

TDC (CBCS) Odd Semester Exam., 2018

bacteria with reference to their role in BOTANY STORY

(1st Semester)

Course No.: BOTHCC-101T

pecxc (Algae and Microbiology) miwellet

Full Marks : 50
Pass Marks : 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

UNIT—I

- 1. Answer any two of the following: $2\times2=4$
 - (a) How viruses are used for vaccine production?
 - (b) Name two viruses which cause plant disease.
 - (c) State briefly the role of viruses in research.
- 2. (a) Write a note on different phases in factorial growth.

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3+3=6

(Turn Over)

(1)

(2)



http://www.elearninginfo.in (3)

Or

(b) Write a note on economic importance of bacteria with reference to their role in agriculture.

UNIT-II

- 3. Write short notes on any two of the following:
 - (a) Lytic cycle
 - (b) Lysogenic cycle
 - (c) DNA virus
- 4. (a) Write notes on general structure of Viroids and Prions. 3+3=6

Or

(b) Give a general account of replication of viruses.

UNIT-III

- **5.** Define the following (any two): $2\times 2=4$
 - (a) F. conjugation
 - (b) F' conjugation
 - (c) Hfr conjugation

(Continued)

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6. (a) Give six differences between eubacteria and archaebacteria.

Or

(b) Write a note on cell structure of bacteria.

UNIT-IV

- 7. Write short notes on the following (any two): 2×2=4
 - (a) Characteristics of green algae
 - (b) Characteristics of red algae
 - (c) Characteristics of brown algae
- 8. (a) Write a note on Fritsch's classification of algae.

Or

(b) Describe briefly the role of algae in industry.

UNIT-V

- 9. Answer any two of the following: 2×2=4
 - (a) Write a short note on Heterocyst.
 - (b) Give a brief account of the thallus structure of vaucheria.
 - (c) Write short notes on male and female sex organs of Chara.

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(Turn Over)

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(4)

10. (a) Write a note on range of thallus organization in chlorophyta.

Or

(b) Describe briefly life cycle of Ectocarpus.

bacteria.

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Write short notes on the following (any fine):

- (a) Characteristics of green algae
- D) Characteristics of red algae ... (2)
 - Characteristics of brown algae
- more a more on Prison's clareffer from

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Answer any the of the following: 2/2-4

a) Vision a short norte on Heteroxyst.

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