

C82428

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Name.....

Reg. No.....

SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020

(CBCSS—UG)

Food Technology

FTL 2B 03—FOOD MICROBIOLOGY—I

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Part A

Each carries 2 marks.

1. What is Petroff-Hausser Counting Chamber ?
2. What was important about Robert Hooke's work ?
3. Explain Abbe equation.
4. What is negative staining ?
5. Expand TEM.
6. What is R Plasmid ?
7. Define refractive index.
8. What is polar flagellum ?
9. What is working distance ?
10. What is porin proteins ?
11. Define heterotrophs.
12. Write another name of acid fast staining.

(Maximum 20 marks)

Part B

Each carries 5 marks.

13. Classify bacteria based on nutritional requirements.
14. Briefly explain the principle of gram staining method.

Turn over

15. Describe external components of cell wall of bacterium.
16. List out the factors effecting the growth of micro-organism.
17. Explain germ theory of diseases.
18. Explain the parts of light microscope.
19. Differentiate between transformation and transduction.

(Maximum 30 marks)

Part C

It carries 10 marks.

20. Describe in detail the components and structure of bacterial cell.
21. Explain in detail the bacterial growth curve.

(Maximum 10 marks)