

22191

II SEMESTER UG EXAMINATION, JULY/AUGUST 2023

020

SCHEME: SEMESTER (NEP)

OPEN ELECTIVE: MICROBIOLOGY

TITLE: ENVIRONMENTAL AND SANITARY MICROBIOLOGY

Time: 2 ½ Hours

Max Marks: 60

Instructions to Candidates: 1. All questions are compulsory.

2. Draw neat labelled diagrams wherever necessary.

- I. Define any FIVE of the following. 5x2=10
1.
 - a. Clay CO1 LL1
 - b. Droplet nuclei CO1 LL1
 - c. Universal solvent CO2 LL2
 - d. Ground water CO2 LL1
 - e. *Vibrio cholerae* CO3 LL2
 - f. Microbial identification system CO3 LL2
 - g. Centre for Disease Control CO3 LL1
- II. Write short notes on any FIVE of the following. 5x6=30
2. Harmful microorganism of Soil. CO1 LL2
 3. Layers of Atmosphere. CO1 LL2
 4. Water Cycle. CO2 LL1
 5. Properties of water. CO2 LL1
 6. Survey of Microbial infection CO3 LL2
 7. Tuberculosis CO3 LL1
 8. Public health hygiene CO3 LL2
- III. Answer any TWO of the following. 2x10=20
9. Describe Soil profile and add a note on soil formation. CO1 LL2
 10. Define Aerobiology. Write on account on Indoor microflora. CO1 LL2
 11. Discuss the microflora of different water bodies. CO2 LL2
 12. Explain the causal organism, epidemiology, transmission and prevention of Botulism. CO3 LL1

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