

11 DEC 2020

B.Sc. (New CBCS) Semester – III Examination – December 2020
MICROBIOLOGY

Paper: MIC-CC-304 Soil and Water Microbiology & Environmental Pollution
Time: 1:30 Hours

Paper Code: 20672
Total Marks: 42

Instructions: (a) Figures to the right indicate total marks of respective questions.
(b) Draw neat, clean and labeled diagram wherever necessary.

- Q.1 (A) Explain : Nitrogen cycle . 14
OR
Q.1 (A) (i) Write on : Rhizosphere & its significance . 07
Q.1 (A) (ii) Explain : Direct microscopic & buried slide methods to study soil microflora . 07
- Q.2 (A) Explain : Purification of drinking water . 14
OR
Q.2 (A) (i) Write on : IMViC . 07
Q.2 (A) (ii) Write on : Membrane filter technique . 07
- Q.3 (A) Discuss : Aerobic methods for waste water treatment . 14
OR
Q.3 (A) (i) Write on : Imhoff tank. 07
Q.3 (A) (ii) Explain : Anaerobic sludge digestion . 07
- Q.4 (A) Explain in detail: Source , consequences , prevention & control of air pollution . 14
OR
Q.4 (A) (i) Write on : Pollution by microorganisms . 07
Q.4 (A) (ii) Explain : Source & consequences of land pollution . 07

નોંધ:

- પ્રશ્નપત્રનો સમય ૧.૩૦ કલાકનો રહેશે.
- પ્રશ્નપત્રમાં ૪ પ્રશ્નોમાંથી કોઈ પણ ત્રણ પ્રશ્નોના જવાબ આપવાનો રહેશે.
- દરેક પ્રશ્નના ગુણ એકસરખા (૧૪ માર્ક્સના) રહેશે. પ્રશ્નપત્ર કુલ ૪૨ માર્ક્સ નું રહેશે.