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PG (NEW) CBCS
M.Sc. Semester-IV Examination, 2020
BOTANY
PAPER: BOT 403D
(MICROBIOLOGY)

Full Marks: 40

Time: 2 Hours

Answer any one question from your allotted special paper: (400 words) 40X1=40

1. Write down process of desulphurization of coal by microorganisms.
2. Mention advantages of probiotics. Differentiate prebiotic and probiotic.
3. Write short note on recombinant vaccine.
4. Write a note on trickling filter bed.
5. Mention mode of action of Bt toxin.
6. Discuss municipal waste water treatment system.
7. Discuss process for monoclonal antibody production.
8. Write down the steps of beer production mentioning different raw materials used in the process.
9. Mention production process and uses of citric acid.
10. Why do you need to search database in bioinformatics analysis? Name different nucleotide and protein sequence databases. Differentiate between global and local alignment.
11. Describe the different parts of a fermentor.
12. Write down advantages and disadvantages of solid state fermentation.
