

[illegible]

- MPN technique
- Prototroph
- Amylase
- Biohydrogen
- Saccharomyces cerevisiae*
- Prebiotics
- Lager and ales beer
- Cheese
- Lactobacillus sp.*
- Bacteriocin

SECTION-B

2. Describe method of enumeration and isolation of microbes from soil. How will you isolate cellulose degrading bacteria from soil?
3. Differentiate between chemical fertilizers and biofertilizers. Explain with suitable examples.
4. What are different stages of organic matter decomposition? How you can assess biodegradation and which microbes plays an important role?
5. Give an account of industrial enzymes that are produced by microorganisms and their applications.
6. Which microbes are sources of SCP? Explain the process of their mass production.

SECTION-C

7. What do you understand by solid and submerged fermentation? Explain the process of fermentative production of beer and whisky.
8. Give detail account of production of antibiotics and vaccine. Explain their applications.
9. Explain the role of different microorganisms and the process involved in production of various daily products.

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