



10. MPN is a..... technique.

- a. Probability
- c. Qualitative

- b. Quantitative
- d. Both a and c

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**(Descriptive)**

Time : 1 hr. 15 mins.

Marks : 25

[ Answer question no.1 & any two (2) from the rest ]

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| 1. Discuss the factors affecting microbial spoilage of foods.  | 5        |
| 2. Describe the methods to control growth of microorganisms in foods.  | 10       |
| 3. What is fermentation with examples? Explain the different types of fermentation. List out the benefits of fermentation.   | 1+4+5=10 |
| 4. Write down the processing steps of wine preparation. Describe the factors which influence the growth of microbes in wine. | 5+5=10   |
| 5. Write down the classification of microorganisms involved in food microbiology.  | 10       |

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