

M.Sc. (Microbiology) (NEP Pattern) Semester-II
02MSCMB03 - Paper-III : Microbiological Testing of Industrial Products

P. Pages : 1

Time : Three Hours



GUG/S/25/15408

Max. Marks : 80

1. Explain different methods for the determination of microbial load in water. 16
OR
Write notes on.
a) Stages of mineral water production. 8
b) Methods of mineral water quality assessment. 8
2. Describe in detail about principle, instrumentation and application of light pulse technology. 16
OR
Write notes on:
a) Quality control in fruit and vegetable processing. 8
b) Physical and chemical risk assessment method. 8
3. Write about different methods of endotoxin testing. 16
OR
Write notes on.
a) Antibiotic susceptibility test. 8
b) Flow cytometry and LAL test. 8
4. What is detail about preservation of pharmaceutical products. 16
OR
Write notes on.
a) Sterility testing. 8
b) Sterility assurance. 8
5. Write short notes on.
a) BOD 4
b) Conventional methods of microbial food analysis. 4
c) Pyrogen test. 4
d) HACCP plan 4
