



RAN-7020

B. Sc. (Medical Technology) (Semester-IV) Examination

March / April - 2019

MT 08: Analytical Microbiology

(Old Syllabus)

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (Medical Technology) (Semester-IV)

Name of the Subject :

MT 08: Analytical Microbiology

Subject Code No.: 7 0 2 0

Seat No.:

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Student's Signature

Instruction:

1. Figures to the right indicate full marks.
2. Draw neat and labelled diagrams wherever necessary.

Q-1

Answer the following:

[10]

- (1) Give any four point's differentiating rapid sand filter from slow sand filter.
- (2) Enlist the characteristics of an indicator organism for water analysis.
- (3) What is biological oxygen demand and give its significance.
- (4) What is radappertization?
- (5) What is the role of mycorrhiza in soil?

Q-2

Explain in brief: (any two)

[14]

- (1) Describe major steps involved in municipal sewage treatment.
- (2) Explain the methods for enumeration of bacteria in soil.
- (3) Discuss enumeration of microorganisms in air with reference to impingement in liquid methods.

- Q-3** **Answer the following in detail: (any one)** **[12]**
- (1) What are the various steps involved in wastewater treatment process.
Explain the methods involved in secondary treatment?
 - (2) Justify, "Wine and beer both are alcoholic beverages but their production processes differ significantly".

- Q-4** **Write short notes on: (any two)** **[14]**
- (1) Air sanitation.
 - (2) Sanitary landfills.
 - (3) Fungal-derived carcinogen: Aflatoxin.
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