



**DMM-3086**  
**Second Year B. Sc. Medical Technology**  
**(Sem. IV) (CBCS) Examination**  
**April / May – 2016**  
**MT-08 : Analytical Microbiology**

Time : Hours]

[Total Marks : 50

**Instruction :**

<p>नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. SC. MEDICAL TECHNOLOGY (SEM. IV) (CBCS)</p> <p>Name of the Subject : MT-08 : ANALYTICAL MICROBIOLOGY</p> <p>Subject Code No. : 3 0 8 6 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- 1 Give specific answers for each of the following : 10
- (a) Give the importance of indicator organisms in water.
  - (b) Name the processes involved in waste treatment plant.
  - (c) What is radappertization and its role ?
  - (d) Enlist various microorganism used in dairy industries with their products.
  - (e) Define TOC, BOD, COD, NOD.
- 2 Answer any two of the following : 14
- (a) Explain the steps involved in commercial composting.
  - (b) Discuss the detection of microorganisms in water.
  - (c) Describe the microflora of beverages.

- 3** Attempt any two : **14**
- (a) Explain in detail the steps for purification of water.
  - (b) Justify : Intrinsic and extrinsic factors can influence the microbial growth in food.
  - (c) Enlist the methods of microbiological analysis of air. Describe in detail the methods based on Impingement in liquids.
- 4** Write notes on any two of the following : **12**
- (a) Importance of microbes in food
  - (b) Bioinsecticides
  - (c) Air borne infections.
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