



AB-3140
B. Sc. (Sem. V) Examination
March/April – 2015
MB-16 Environmental Microbiology

Time : 2 Hours]

[Total Marks : 50

Instruction :

<p>नीचे दशांश देव निशान्नीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. SC. (SEM. V)</p> <p>Name of the Subject : MB-16 ENVIRONMENTAL MICROBIOLOGY</p> <p>Subject Code No. : 3 1 4 0 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 the specific answers: 10
- (a) Define canker. Give the name of disease causing bacteria.
 - (b) Define the following:
 - (i) Themophiles
 - (ii) Thermosome.
 - (c) Differentiate between potable and polluted water.
 - (d) Enlist the four different symptoms of Tobacco Mosaic Disease.
 - (e) Differentiate between BOD and COD.
- 2 Comment on / Explain any two of the following: 12
- (a) Small organic and osmotically active molecules can be referred as compatible solute.
 - (b) Special procedures are necessary to determine the sanitary quality of water.
 - (c) There are different types of plant disease symptoms.

- 3** Answers any **two** of the following: **16**
- (a) Discuss in detail Tobacco Mosaic Disease.
 - (b) Give a detailed account of alkalophiles.
 - (c) Give a detailed note on Municipal treatment process of waste water.
- 4** Write short notes on any **three** of the following: **12**
- (a) Municipal drinking water purification.
 - (b) Barophiles
 - (c) Effect of environmental factors on microbial flora of air
 - (d) Activated sludge process.
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