



DRR-3247
B. Sc. (Sem. VI) Examination
March / April - 2016
Bioscience
606 : Applied Microbiology

Time : 2 Hours]

[Total Marks : 50

Instructions : (1)

<p>नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. Sc. (Sem. VI)</p> <p>Name of the Subject : Bioscience - 606 : Applied Microbiology</p> <p>Subject Code No. : <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; text-align: center;">3</td><td style="width: 20px; text-align: center;">2</td><td style="width: 20px; text-align: center;">4</td><td style="width: 20px; text-align: center;">7</td></tr></table> Section No. (1, 2,.....): <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 40px; text-align: center;">NIL</td></tr></table></p>	3	2	4	7	NIL	<p>Seat No. : <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr></table></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>						
3	2	4	7									
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- (2) Figures to the right indicates total marks of the question.
(3) Draw neat, clean and labelled diagram whenever necessary.

1 Define / explain in brief : (2-3 lines only) 12

- (a) Water borne infections.
- (b) MBRT
- (c) Intoxication of foods.
- (d) Sources of microbial contamination of milk.
- (e) Anaerobic digesters
- (f) Yogurt

2 Answer the following : 14

Why Escherichia coli is considered as the indicator of fecal contamination? Explain in detail DCT.

OR

What is BOD? Discuss its significance in biological treatment of waste water.

- 3** Answer any two the following : **14**
- (a) Explain in brief the role of microorganisms in spoilage of milk.
 - (b) Discuss various methods for the microbial analysis of milk.
 - (c) Explain phenol coefficient test.
- 4** Write short notes on : (any two) **10**
- (a) PA Test
 - (b) Fermented milk products
 - (c) Use of UV light for the control of air flora.
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