



S-2619

M. Sc. (Part - I) (Sem. I) (Microbiology) Examination
March / April - 2011

MB-104 : Applied Environmental Microbiology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← M. Sc. (PART - 1) (SEM. 1) (MICROBIOLOGY)	<input type="text"/>
Name of the Subject :	<input type="text"/>
← MB-104 : APPLIED ENVIRONMENTAL MICROBIOLOGY	<input type="text"/>
← Subject Code No. : <input type="text"/> 2 <input type="text"/> 6 <input type="text"/> 1 <input type="text"/> 9 ← Section No. (1, 2,.....) : <input type="text"/> NIL	<input type="text"/>
	Student's Signature

- (2) Figures to the **right** indicate full marks of the question.
(3) Draw neat and labeled diagrams whenever necessary.

- 1 Describe in detail any two: 18
(a) Measurement of biodiversity.
(b) Novel ideas associated with microbial ecology.
(c) Use of nucleic acid probes in ecological studies .
- 2 Elaborate on following : (any two) 18
(a) Influence of substrate utilization on microbial growth during waste water treatment.
(b) Physical characteristics of waste water.
(c) Microbiological treatment of waste from food and dairy industry.
- 3 Explain in detail : (any two) 18
(a) Role of white rot fungi in degradation of textile dyes.
(b) Importance of acclimatization in biodegradation.
(c) Development of different approaches in bioremediation.
- 4 Write notes on : (any two) 16
(a) Bioreporter
(b) Bioprospecting
(c) Control of biodeterioration.