



DRR-3234

B. Sc. (Microbiology) (Sem. VI) Examination

March / April - 2016

MB-19 : Economic Microbiology

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
B. SC. (MICROBIOLOGY) (SEM. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
MB-19 : ECONOMIC MICROBIOLOGY	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 2 <input type="text"/> 3 <input type="text"/> 4	<input type="text"/>
Section No. (1, 2,...): <input type="text"/> Nil	
Student's Signature	

(2) Figures to the right side indicate full marks of the question.

(3) Draw neat and labelled diagrams whenever necessary.

1 Give specific answers :

12

- (1) Enlist the different carbon sources used in glutamic acid production.
- (2) Name the microorganisms used to produce Glucoamylases.
- (3) What is Bacterization?
- (4) What do you mean by CRYEMA? Where it is used?
- (5) What is 'Gasohol'? What is drawback of it?
- (6) Write about the composition of biogas.

2 Explain / Justify any two of the following :

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- (1) Increased permeability in glutamic acid producing bacteria can be attained in several different ways.
- (2) Write on the commercial processes for microbial leaching.
- (3) Write detail account on phosphate biofertilizers.

- 3** Attempt any **two** of the following: **16**
- (1) Explain *Rhizobium* inoculants in detail.
 - (2) Describe bioremediation of heavy metals.
 - (3) Discuss alcohol as a liquid fuel in detail.
- 4** Write short notes on any **two** of the following: **10**
- (1) Production processes of Acetone/Butanol fermentation.
 - (2) Different feed stocks used in Biogas production.
 - (3) Intrinsic bioremediation Vs Engineered In-situ bioremediation.
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