S.E. (Brotech) (Rev)

GBGS

Sem-3

CBGS

Selfly

Microbiology

QP Code: NP-18699

(3 Hours)

[Total Marks: 80

N. B.: (1) Question No. 1 is compulsory

(2) Attempt any three questions out of remaining five questions.

(3) Draw suitable diagrams wherever necessary.

(b) Explain flutritional requirements of intercongulations.  (b) Explain growth curve of bacteria.  1  3. (a) Explain the difference between batch & continuous culture.	
(iii) Broad spectrum antibiotics (iv) Differential Media  2. (a) Explain nutritional requirements of microorganisms. (b) Explain growth curve of bacteria.  3. (a) Explain the difference between batch & continuous culture.	
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4. (a) What is sterilization? Explain physical methods of sterilization.	.0
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5. (a) What are bacterial toxins. Explain with examples.	0
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6. (a) Explain with flowsheet citrogen cycle.	0
(b) Draw a neat labelled diagram of bacterial cell. Explain role of flagella & 1	0
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