

S.E. BioTech - Sem-III - CBSGS → Microbio.  
 7107 333 70

QP Code :14621

(3 Hours)

[Total Marks : 80]

Sub : microbiology (21)

- H.B.(1) Question No.1 is Compulsory.  
 (2)Solve any three question out of remaining questions.  
 (3)Draw suitable diagram wherever necessary.

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Q.1- Attempt any Four out of Six(Short Notes):-

- (a) Cell Wall of gram -ve bacteria
- (b) Aerobic Microorganism
- (c) Thermal Death Point
- (d) MPN Test
- (e) Turbidostat
- (f) Koch's Postulates

Q.2 (a) "Streak Plate method helps in isolating pure colonies of Microorganism"-Justify

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- (b) Explain Replication Cycle of Virus

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Q.3 (a) Write a note on epidemiology of infectious diseases.

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- (b) Give Description about bacterial Cell. Support your answer with diagram.

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Q.4(a) Describe the various methods for preserving the microbial culture.

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- (b) Explain different phases of growth with suitable diagram

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Q.5(a) Indicate the various toxic derivatives of oxygen and explain how aerobic organisms might protect themselves against those derivatives?

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- (b) Differentiate between Radiation & Filtration methods

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Q.6(a) Write a note on antimicrobial sensitivity test.

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- (b) What are the essential components of bacteriological media? Explain chemically defined and complex media with suitable examples.

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GN-Con.:9136-14.