

B.Sc. (Bio Technology) - 2nd Semester (old sylb 2019-20)
(2721)

Paper: BT-8 General Microbiology-B

Time Allowed: 2 hrs.

Max. Marks: 40

Note: There are EIGHT questions of equal marks. Candidates are required to attempt any FOUR questions.

Section -A

1. Write brief notes on following in reference to bacterial growth:
 - (a) Doubling time and specific growth rate
 - (b) Types of growth curve
2. Discuss in detail about sporulation and regeneration of bacteria.

Section -B

3. (a) Enumerate the differences between lysogenic and lytic cycle.
 - (b) Give a brief account of cultivation of viruses.
4. With the help of suitable examples explain the structure and composition of various plant viruses.

Section -C

5. What is microbial pathogenicity? Explain the various factors regulating pathogenicity in detail.
6. Elaborate about the causal organism, mode of action, diagnosis and treatment of viral diseases 'AIDS'.

Section -D

7. What is 'Aspergillosis'? Give its causal organism, mode of action, diagnosis and treatment.
8. Describe the mechanism of action, diagnosis and treatment of any bacterial disease studied by you.

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