

FYBSC SEM II

UNIT III – MICROBIOLOGY QUESTION BANK

1. Write a note on dry heat sterilization.
2. Explain the radiation as a agents of sterilization.
3. With the help of graph, elaborate different phases of bacterial growth curve.
4. What are the characteristics of an ideal disinfectant?
5. Differentiate complex and synthetic media.
6. What are the fastidious bacteria? How are the nitrogen and carbon requirement of microorganism taken care of?
7. Explain the use of alcohol and halogens use as a agent of sterilization.
8. Discuss the role of agar, yeast extract , peptone in culture media.
9. Explain the principle used in the working of an autoclave.
10. Explain synchronous growth.
11. What is the generation time? Derive mathematical expression for the same.
12. If a food sample has 6 bacillus organism and generation time of bacillus is 60 minutes , then how many cells would be in the food sample after 10 hr.

Define the following :

1. shift up experiment
2. pure culture
3. growth rate
4. disinfection
5. growth
6. sanitization
7. generation time

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