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Class – B.Sc-IInd Sem. Biotech
Subject – General Microbiology
Paper – General Microbiology

Time Allowed : 3 Hours

Maximum Marks : 40

SECTION-A

Note:– Attempt all Questions.

(1 × 8 = 8)

1. What is capsomere?
2. What is Proviruses?
3. What is a batch culture?
4. What is Pasteurization?
5. What do you mean by Diazotrophs?
6. Define synchronous culture
7. Define Pathogenecity.
8. Expand the term BNF.

SECTION-B

Note:– Attempt any five Questions.

(5 × 4 = 20)

1. How do enveloped viruses penetrate a host cell?
2. Differentiate between Mono auxic and Diauxic growth curve.
3. Describe structure of bacterial endospore.
4. Write a note on Rhizobium-Legume symbiosis.
5. Give outline for classification of viruses.
6. Enlist important characters of viruses.
7. Draw a well labelled diagram of HIV viruses.

8. Differentiate between B and T-cells.

SECTION-C

Note:- Attempt any two questions (6 × 2 = 12)

1. (a) Discuss various phases of growth curve. 3
- (b) Discuss important factor on which it depends. 3
2. Write a note on Nitrogen fixation.
3. Discuss in detail Lysogeny.
4. 'Economic importance of Microbes' write a note on it.
