

Q-1 Attempt all following multiple choice question. (03)

(1) E.H. Haeckel proposed the kingdom for unicellular microorganisms that were typically neither plants nor animals is known as

(a) Protista (b) Fungi (c) Algae (d) Prokaryotes

(2) Which vitamin is requiring by germ free animals, which normal animals do not require?

(a) vitamin C (b) vitamin D (c) vitamin K (d) vitamin B

(3) Extreme dehydration of microorganisms in frozen state is called:

(a) Lyophilization (b) Tyndallization (c) Pasteurization (d) Filtration

Q-2 Attempt the following. (Any two) (04)

(1) Name the divisions of Bergey's Manual of Systematic bacteriology.

(2) Explain how a healthy human fetus acquires a normal flora.

(3)What is Incineration? Where is it used for control of microorganisms?

Q-3 Explain Haekel's & Whittaker's classification. (06)

OR

Q- 3 Explain cultural and ecological characteristics in classification. (06)

Q-4 Define infection and explain various types of infection with example. (06)

OR

Q-4 Write notes on Gnotobiotic life. (06)

Q-5 Write notes on: Bacteriological filters. (06)

OR

Q-5 Enlist & Explain different radiations that can be used for control of microorganisms. Comment on the practical application of each. (06)

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