

ESSAY QS:

Define:

- A. Viroids
- B. bactericidal agent
- C. bacteria virulence
- D. transformation
- E. Mesophiles

Write short notes on the following structures:

- structure that mediate bacterial motility
- structure that enable bacteria to withstand unfavorable conditions
- structure(s) that mediate contain bacteria respiratory enzymes.
- complication of chemotherapy
- mutation

Give reason:

- Despite of high internal osmotic pressure inside bacteria, it can maintain its characteristic shape.
- Capsulated bacteria are more virulent than non capsulated ones.
- L- form bacteria is a significant cause of chronic infection.
- Carriers are more dangerous than cases as a source of infection.
- Gram negative organisms only produce endotoxins.
- Bacterial ribosomes are selective target for antibiotics.
- Phages can be used to identify source of infection
- Relaxed plasmid are important cloning vectors

Compare between:

- endotoxins and exotoxins
- genetic material in bacteria & viruses
- innate & Acquired immunity
- Neutrophils & macrophages