

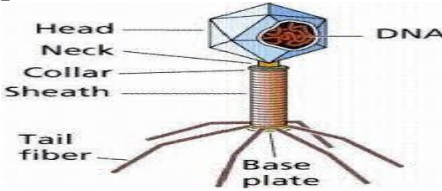


- Q-3**      **Attempt all questions**      **(14)**
- a** Write a brief note on bioluminescence.      **07**
- b** Write a detail about Microbes in composting.      **07**

**SECTION – II**

- Q-4**      **Attempt the Following questions**      **(07)**

- a.** Plasmid is Larger than bacterial chromosome. T/F      **01**
- b.** Which process used to treat contaminated media, including water, soil and subsurface material, by altering environmental conditions to stimulate growth of microorganisms and degrade the target pollutants?      **01**

**c.**       **01**

Identify the microorganism?

- d.** Kefir & Koumis are examples of fermented milk products. T/F      **01**
- e.** Psychrophilic organism that needs a high-pressure environment in order to grow. T/F      **01**
- f.** What is akinete?      **01**
- g.** ..... are microorganisms with optimal growth temperatures between 60 and 108 degrees Celsius, isolated from a number of marine and terrestrial geothermally-heated habitats .      **01**

- Q-5**      **Attempt all questions**      **(14)**
- a** Give the detail about Bioleaching.      **07**
- b** Write a detail about Physical agent of Sterilization.      **07**

**OR**

- Q-5**      **Attempt all questions**      **(14)**
- a** Write a brief note on Binomial Nomenclature..      **07**
- b** Write a note on the contributions of any two Scientists to the field of Microbiology      **07**

- Q-6**      **(14)**
- Write a detail about Microbial interactions.

**OR**

- Q-6**      **Attempt all Questions**      **(14)**
- a** Write a detail note on Microbes in other extreme conditions – Deep ocean & Space.      **07**
- b** Write a detail note on Biofilm.      **07**

