



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## Solutions – 58

Class: XII

Sub: Biological Science

Date: 30.11.2020

Topic: Ch (10) Part 2 – Microbes in Human welfare

F.M. : 15

Choose the correct option:

(1x15=15)

- Sewage treatment comprising of the physical removal of particles is called  
a) **Primary treatment** b) Secondary treatment c) Biological treatment d) Both (a) and (b)
- The solids which settle down in the filtration tanks is called .....  
a) supernatant b) **primary sludge** c) primary residue d) primary effluent
- The masses of bacteria associated with fungal filaments to form mesh like structures is called:  
a) sludge b) **flocs** c) effluent d) all of these
- A small part of ..... is used as an inoculum and pumped back to the aeration tank.  
a) **activated sludge** b) primary sludge c) secondary sludge d) none of these
- The gases which are found in the biogas are .....  
a) Carbon dioxide and carbon monoxide b) carbon dioxide and carbon monoxide and methane c) **methane, carbon dioxide and hydrogen sulphide** d) hydrogen sulphide and carbon dioxide
- The bacteria which produces methane, carbon dioxide and hydrogen are called ..... bacteria  
a) **Methanogenic** b) purple sulphur c) acidophilic d) all of these
- The technology of Biogas production is developed in India mainly due to the efforts of I.A.R.I which is the abbreviated form of .....  
a) International Agricultural Research Institute b) **Indian Agricultural Research Institute** c) Indian Agro Research Institution d) Indian Agricultural Rice Institute
- The letter Bt in Bt Cotton stands for:  
a) **Bacillus thuringiensis** b) Biotechnology c) Barium treated d) Bacterial titred
- ..... is used as a biocontrol agent against aphids and mosquitoes.  
a) Lady bug b) bed bug c) Dragon flies d) **both (a) and (c)**
- The bacteria *Bacillus thuringiensis* produces ..... as a toxin which is used as a pesticide.  
a) **Cry protein** b) lipase c) Protease enzyme d) Bt protein
- The baculoviruses used to attack insects and different arthropods are called .....  
a) **Nucleopolyhedrovirus** b) Lambda phage c) T2 Phage d) T 4 phage
- Trichoderma* is an example of ..... of a biocontrol agent.  
a) bacteria b) **fungi** c) virus d) protozoan

13. Free living cyanobacteria is:  
a) *Azotobacter* b) *Azospirillum* c) *Rhizobium* d) *Lactobacillus*
14. .... is a fungus which is found in association with plant roots.  
a) *Glomus* b) *Trichoderma* c) *Azotobacter* d) *Azospirillum*
15. .... is an example of biofertilizer used in paddy field.  
a) *Nostoc* b) *Anabaena* c) *Oscillatoria* d) all of these

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