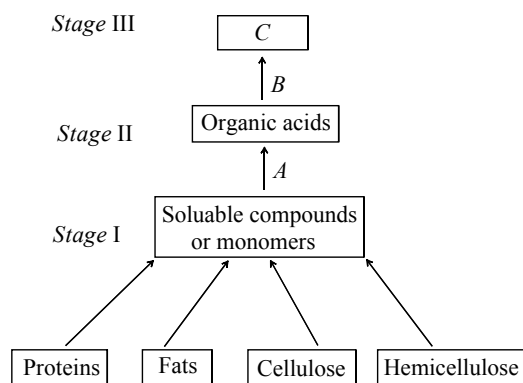


Topic :- Microbes In Human Welfare

- Baculoviruses do not show harmful effect on
I. plants II. Mammals
III. bird IV. Non-target insects
Choose the correct option
a) I, III and III b) II, III and IV c) I, III and IV d) I, II, III and IV
- Atropa belladonna* yields medicine used for
a) Gastric ulcers b) Checking the eyes c) Leprosy d) Constipation
- The terminator gene technology causes
a) Failure of seed setting after one generation b) Breakage of seed dormancy
c) Early flowering in plants d) None of the above
- What will you conclude, when a cow is crossed to a bull and the female progeny is yielding more milk than its mother?
a) More number of genes for high yielding milk are inherited, only from the female parent
b) More number of genes for high yielding milk are inherited only from the male parent
c) More number of genes for high yielding milk are inherited from both the parents
d) The progeny through mutation achieved more number of genes for high yielding milk
- CFCL is situated at
a) Delhi b) Faridabad c) Mumbai d) Amritsar
- Insecticides usually act upon
a) Digestive system b) Nervous system c) Circulatory system d) Muscular system
- Study the following flow chart of biogas production and select the correct option for A, B and C



- a) A-Methanogenic bacteria, B-Fermentative microbes, C-CO₂ and hydrogen (biogas)
 b) A-Anaerobic microorganisms, B-*Methanococcus*, C-CO₂ and nitrogen (biogas)
 c) A-Fermentative microbes, B-Methanogenic bacteria, C-CO₂ and methane (biogas)
 d) A-Aerobic microorganisms, B-Methanobacter, C-CO₂ and methane (biogas)
8. Which of the following is used as biofertiliser?
 I. Cyanobacteria
 II. Yeast
 III. Symbiotic bacteria
 IV. Free living bacteria
 Choose the correct option
 a) I, II and III b) I, III and IV c) II, III and IV d) I, II and IV
9. A commonly used mastigator called 'supari' is obtained from the plant
 a) *Acacia catechu* b) *Areca catechu* c) *Piper betel* d) *None of these*
10. Which of the following is not used as a biopesticide?
 a) *Bacillus thuringiensis* b) *Trichoderma harzianum*
 c) Nuclear Polyhedrosis Virus (NPV) d) *Xanthomonas campestris*
11. Which one of the following is not a biofertilizer?
 a) *Rhizobium* b) *Nostoc* c) Mycorrhiza d) *Agrobacterium*
12. Which of the following is used as 'clotbuster'. For removing clots from blood vessels of patient who have undergone myocardial infarction
 a) Ethanol b) Statins c) Cycloporin-A d) Streptokinase
13. Which of the following is an endogenic species of earthworm?
 a) *Octochaetona serrata* b) *Lampito mauritti*
 c) *Lumbricus teretris* d) All of the above
14. Which bacteria are utilized in gobar gas plant?
 a) Methanogens b) Nitrifying bacteria

- c) Ammonifying bacteria
d) Denitrifying bacteria
15. Energy cropping is
a) Production of ethanol
b) Production of methane
c) Production of sugarcane
d) Production of gas
16. What would happen if oxygen availability to activated sludge flocs is reduced?
a) It will slow down the rate of degradation of organic matter
b) The centre of flocs will become anoxic, which would cause death
c) Flocs would increase in size as anaerobic bacteria would grow around flocs
d) Protozoa would grow in large number
17. *Asafoetida* is obtained from
a) Roots and stem
b) Leaves
c) Fruit
d) Flower
18. The plant most commonly used as green manure is
a) *Dilbergia sissoo*
b) *Polyalthea*
c) *Sesbania aculeata*
d) None of these
19. What happened when we inoculate *Rhizobium* in the wheat field?
a) No increase in production (nitrogen content of soil remains same)
b) A lot of increase in production (nitrogen content of soil increases)
c) Fertility of soil decreases
d) Fertility of soil increases
20. In the biological treatment of sewage the masses of bacteria held together by fungal filament to form mesh like structures called as
a) Activated sludge
b) Aerobic process
c) Flocs
d) Anaerobic sludge