

Topic :- Microbes In Human Welfare

- Father of green revolution in India is
a) M S Swaminathan b) N Borlaug c) R Mishra d) P Maheswari
- Which of the following can be controlled by using biopesticides?
a) Insects b) Diseases c) Weeds d) All of these
- Microbes are used in
I. primary treatment of sewage
II. secondary treatment of sewage
III. anaerobic sludge digesters
IV. production of biogas
Choose the correct option
a) I, II and III b) I, III and IV c) II, III and IV d) I, II, III and IV
- Desired improved varieties of economically useful crops are raised by
a) Migration b) Biofertilizer c) Hybridization d) Natural selection
- Neem tree has acquired industrial importance as a source of
a) Biofertilizer, biopesticide and anti-fertility compound
b) Anti-fertility compound, biofertilizer and anti-cancer drug
c) Biopesticide and anti-fertility compound
d) Anti-cancer drug, biopesticide and biofertilizer
- Which one of the following is not a nitrogen-fixing organism?
a) *Anabaena* b) *Nostoc* c) *Azotobacter* d) *Pseudomonas*
- Which of the following shows maximum genetic diversity in India?
a) Rice b) Maize c) Mango d) Groundnut
- Cloves are obtained from
a) Seed b) Fruit c) Coat d) Flower bud
- Which of the following herbicides and defoliant were used by the US military in its herbicidal warfare programme during the Vietnam war?

- a) Agent black b) Agent orange c) Super orange d) Both (b) and (c)
10. In crop improvement programme, haploids are of great importance because they
 a) Grow better under adverse condition
 b) Are useful in the study of meiosis
 c) Requires only about half the amount of chemical fertilizers compared to diploids
 d) Give homozygous lines
11. Pollution from animal excreta and organic waste from kitchen can be most profitably minimised by
 a) Storing them in underground storage tanks b) Using them for producing biogas
 c) Vermiculture d) Using them directly as biofertilizers
12. Cellulose fibre is obtained from *Gossypium*
 a) Stem surface b) Seed hair c) Leaf surface d) Root hair
13. Biogas production is carried out by
 a) Thermoacidophils b) Methanogens c) Halophiles d) Luminants
14. Methanogens, growing anaerobically on cellulosic material, produce
 a) Methane b) Methane and carbon dioxide
 c) Methane and hydrogen d) Methane, carbon dioxide and hydrogen
15. Which one is a neem product used as insect repellent?
 a) Azadirachtin b) Rotenone c) Parathione d) Endrin
16. *Triticale*, the first man-made cereal crop, has been obtained by crossing wheat with
 a) Rye b) Pearl millet c) Sugarcane d) Barley
17. Which one of the following is being tried in India as a bio-fuel substitute for fossil fuels?
 a) *Jatropha* b) *Azadirachta* c) *Musa* d) *Aegilops*
18. Mycorrhiza does not help the host plant in
 a) Enhancing its phosphorus uptake capacity
 b) Increasing its tolerance to drought
 c) Enhancing its resistance to root pathogens
 d) Increasing its resistance to insects
19. Which of the following is a disease resistant, high yielding breed of poultry developed in Karnataka?
 a) Aseel b) White leg horn c) Giriraja d) Plymouth rock
20. Which industrial products are synthesized from microbes?
 I. Antibiotics II. Fermented beverages
 III. Bioactive molecules IV. Enzyme

Choose the correct option

a) I, II, III and IV

b) II, III and IV

c) I, III and IV

d) III and IV

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