

MICROBES IN HUMAN WELFARE

1. Nutritionally curd is more suitable than milk. Which of the following reason not supporting to this view
 - (1) It increasing vitamin B₁₂
 - (2) It checks disease causing microbes
 - (3) LAB convert lactose into lactic acid
 - (4) It provide additional proteins
2. Large holes in "Swiss cheese" are due to production of large amount of CO₂ by bacterium
 - (1) *Leuconostoc mesenteroides*
 - (2) *Propionibacterium sharmanii*
 - (3) *Thermococcus proteus*
 - (4) *Staphylococcus thermophilus*
3. Which of the following is not a product of distillation
 - (1) Whisky
 - (2) Brandy
 - (3) Wine
 - (4) Rum
4. Find out odd one with reference to distillation
 - (1) Beer
 - (2) Wine
 - (3) Both 1 and 2
 - (4) Vodka
5. Which of the following bacteria was associated with discovery of penicillin
 - (1) *Streptococcus*
 - (2) *Staphylococcus*
 - (3) *Saccharomyces cerevisiae*
 - (4) *Propionibacterium*
6. Full potential of penicillin as an effective antibiotic was established by
 - (1) Alexander Flemming
 - (2) Ernest chain
 - (3) Howard florey
 - (4) Both 2 and 3
7. Which of the following is "Clot buster"
 - (1) Citric acid
 - (2) Streptokinase
 - (3) Cyclosporin
 - (4) Statins
8. Which of the following chemicals, used as an immunosuppressive agent in organ transplantation
 - (1) Streptokinase
 - (2) Cyclosporin - A
 - (3) Statins
 - (4) Citric acid
9. Match the following

A. Pectinases	i. Blood cholesterol lowering agents
B. Streptokinases	ii. Immunosuppressive agents
C. Cyclosporin - A	iii. Clot-busters
D. Statin	iv. Clearifying agents

	A	B	C	D
(1)	iv	iii	ii	i
(2)	iv	iii	i	ii
(3)	iii	iv	ii	i
(4)	i	ii	iii	iv
10. Match the following

A. Citric acid	i. <i>Haemolytic streptococcus</i>
B. Streptokinase	ii. <i>Aspergillus niger</i>
C. Cyclosporin - A	iii. <i>Monascus purpureus</i>
D. Statins	iv. <i>Trichoderma polysporum</i>

	A	B	C	D
(1)	i	ii	iii	iv
(2)	ii	i	iii	iv
(3)	ii	i	iv	iii
(4)	iv	ii	iii	i
11. Functioning of statin is based on
 - (1) Competitive inhibition
 - (2) Endproduct inhibition
 - (3) Allosteric inhibition
 - (4) Negative feed back inhibition
12. The technology of biogas production was developed in India mainly due to efforts of
 - (1) IARI
 - (2) KVIC
 - (3) IPM
 - (4) Both 1 and 2
13. *Bacillus thuringiensis* show their inhibitory effect on which part of the insect body
 - (1) Gut
 - (2) Respiratory tract
 - (3) Nervous system
 - (4) Circulatory system

14. Which of the following biological agents are used for species specific, narrow spectrum insecticidal applications
- (1) Adenoviruses
 - (2) Nucleopolyhedrosis viruses
 - (3) Retroviruses
 - (4) Trichoderma
15. Which of the following is one of the advantage of application of viruses as bioinsecticides
- (1) They are less effective
 - (2) They are host specific
 - (3) They are costly
 - (4) They can not obtain easily
16. In which of the following conditions use of baculoviruses is desirable
- (1) When they are used as part of IPM
 - (2) When an ecologically sensitive area is being treated
 - (3) When beneficial insects are being conserved
 - (4) All of the above
17. Use of biofertilizer is the part of
- (1) Inorganic farming
 - (2) Organic farming
 - (3) Energy cropping
 - (4) Energy plantation
18. Members of which of the following fungal genus mainly participate in the mycorrhiza formation
- (1) *Azotobacter*
 - (2) *Fusarium*
 - (3) *Rhizopus*
 - (4) *Glomus*
19. Which of the following is not an advantage of mycorrhiza
- (1) Phosphorus absorption
 - (2) Resistance to root borne pathogens
 - (3) Nitrogen fixation
 - (4) Tolerance to salinity and draught
20. Cultivation of which of the following crop plant specially get benefitted by application of cyanobacteria
- (1) Maize
 - (2) legumes
 - (3) Wheat
 - (4) Rice

ANSWERS KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	4	2	3	4	2	4	2	2	1	3	1	4	1	2	2	4	2	4	3	4