EXE	RCISE – I (Conceptual Question)	Build Up your Understanding
1.	 Which one of the following is not true about antibiotics - (1) First antibiotic was discovered by Alexander Fleming (2) The term 'antibiotic' was coined by S. Waksman in 1942 (3) Some persons can be allergic to a particular antibiotic (4) Each antibiotic is effective only against one particular kind 	of germ.
2.	Which one of the microorganism is used for production of citri(1) LadobaciUus bulgaricus(2) Penicillium cit(3) Aspergillus niger(4) Rhizopus nigr	trinum
3.	Formation of vinegar from alcohol is caused by (1) Bacillus subtilis (2) Clostridium (3) Acetobacter ad	ceti (4) Azotobacter
4.	 Biogas consists of (1) Carbon monoxide, methane and hydrogen (2) Carbon dioxide, methane and hydrogen (3) Carbon monoxide, ethane and hydrogen (4) Carbon dioxide, ethane and hydrogen 	
5.	The pioneer country in the production of 'Fuel alcohol' is(1) Japan(2) Brazil(3) Saudi Arabia	(4) India
6.	Most of the petro crops belong to family (1) Leguminoase (2) Euphorbiaseae (3) Rutaceae	(4) Malvaceae
7.	Biogas is produced by anaerobic breakdown of biomass of .ag bacteria. It is a (1) One step process (2) Two step process (3) Three step pro	
8.	Beer is obtained from : (1) Molasses (2) Grapes (3) Barley	(4) Rye
9.	Maximum percentage of alcohol present in the product of yeas(1) Brandy(2) Gin(3) Rum	t fermentation : (4) Wine
10.	Which of the following Microorganisms use for swiss cheese :(1) Propionibacterium(2) Geotrichum(3) Penicillium(4) Streptococcus	
11.	Rate limiting material in biogas production is :(1)Methane(2) Cellulose(3) Starch	(4) Acetic acid
12. 13.	Which group is not related with petro plantation :(1) Euphorbiaceous (2) Asclepiadiaceae (3) ApocyanaceaeWhat are the advantage of gobar gas over congenital utilization	

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	(1) More efficient source of energy(2) Used as good fertilizer(3) Reduces the chances of spreading of pa(4) All the above	thogens				
14.	Milk is changed into curd by – (1) Bacillus Megatherium (3) Xanthomonas citri	(2) Acetobactor acet(4) Lactobacillus aci				
15.	Saccharomyces cerevissae is used in the fo (1) Ethanol (2) Methanol	rmation of :- (3) Acetic acid	(4) Antibiotics			
16.	Modem farmer's can increase the yield of H (1) Cyanobacteria (2) Rhizobium	Paddy upto 50% by the (3) Mycorrhiza	use of :- (4) Farm yard manure			
17.	Which one produce gas by decomposing th (1) Fungus (3) Methanognic bacteria	ne gobar (Dung) in gobar gas:- (2) Virus (4) Algae				
18.	Which of the following is used to manufac(1) Penicillin(2) Saccharomyces		h:- (4) Lactobacillus			
19.	Which of the following is the pair of biofer (1) Azolla and BGA (3) Rhizobium and grasses	tllizers : (2) Nostoc and legume (4) Salmonella & E. Coli				
20.	Which bacteria is utilized in Gober gas pla (1) Methanogens (3) Ammonifying bacteria	nt :- (2) Nitrifying bacter (4) Denitrifying bact				
21.	During the formation of bread it becomes p (1) Yeast (2) Bacteria	porous due to release of (3) Virus	f CO ₂ by the action of :- (4) Protozoan's			
22.	During anaerobic digestion of organic was following is left under graded :- (1) Lipids (2) Lignin	aste, such as in product (3) Hemi-cellulose	cing biogas, which one of the (4) Cellulose			
23.	The term "antibiotic" was coined by :- (1) Edward Jenner (2) Louis Pasteur	(3) Selman Waksma	n (4) Alexander Heming			
24.	Recently Govt of India has allowed mixing permitted for mixing in petrol.?					
	(1) 5% (2) 2.5%	(3) 10-15%	(4) 10%			
25.	A free living nitrogen-fixing cyanobacteri the water fern Azolla is : (1) Anabaena (2) Tolypothrix	um which can also for (3) Chlorella	rm symbiotic association with (4) Rhizobium			

26.	The technology of biogas production was develop(1) IARI(2) KVIC(3) b	ped in India main both (1) and (2)	•					
27.		aste biomass cons races of H ₂ , H ₂ S all of these						
28.	· / I	he making of bread : (2) Saccharomyces cerevisiae (4) Saccharomyces ludwigi						
29.	The drug Cyclosporin used for organ transplant p(1) Bacterium(2) Fungus(3) Y	atients is obtaine Virus	d from a (4) Plant					
30.	A common biocontrol agent for the control of pla (1) Agrobacterium (2) Glomus (3)	nt diseases cause Frichoderma	ed by fungi is (4) Baculovirus					
31.	Which one of the following microbes forms syn in their nutrition? (1) Glomus (2) Trichoderma (3) A	nbiotic associatio Azotobacter	on with plants and helps them (4) Aspergillus					
32.	quality by increasing :-	Lactic acid bacteria (LAB) grow in milk and convert it to curd and also improve its nutritional quality by increasing :-						
33.		Production of O_2 Growth of yeast M						
34.	Which of the following fermented beverage will broth. (1) Whisky (2) Brandy (3) I	l not be produced Rum	d by distillation of fermented (4) Wine					
35.		1	nmunosuppressive rol lowering agent					
36.	Biogas is the mixture of gases produced by the microbial activity. The type of the gas produced depends upon- (1) type of microbes (3) size of digester(2) type of organic substrate I waste (4) 1 & 2both							
37.	pathogens. (1) Baculoviruses (2) 7	iocontrol agent in very common in root ecosystem & is effective aganist several plant . ns. loviruses (2) Trichoderma						
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38.	Which biocontrol age (1) Bacillus subtilis (3) Agrobacterium	ent in very common in	n root production of bioinsecticide is ? (2) Bacillus thuringensis (4) Azotobactor							
39.	Bio pesticide include (1) Only bioinsecticid (3) Bioinsecticide &	le	(2) Only bioherbicide(4) Bioherbicide, bio	e insecticide & biofertilisers						
40.	Bacillus thuringiensis is used to control :-									
	(1) Moth	(2) Flies	(3) Mosquito	(4) All the above						
41.	 Trichoderma has proved a useful microorganism for:- (1) Gene transfer in higher plants (2) Biological control of soil-borne plant pathogens (3) Bioremediation of contaminated soils (4) reclamation of wastelands 									
42.	Microbial insecticide	is :								
	(1) Bacillus polymixa	1 I	(2) Bacillus brevis							
	(3) Bacillus subtilio		(4) Bacillus thuringenesis							
43.	Ladybird is useful to (1) Aphids	get rid of (2) Mosquitoes	(3) Boll worm	(4) Jassids						

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EXERCISE-I (Conceptual Question)													
1.	(4)	2.	(3)	3.	(3)	4.	(2)	5.	(2)	6.	(2)	7.	(3)
8.	(3)	9.	(1)	10.	(1)	11.	(2)	12.	(4)	13.	(4)	14.	(4)
15.	(1)	16.	(1)	17.	(3)	18.	(2)	19.	(1)	20.	(1)	21.	(1)
22.	(2)	23.	(3)	24.	(1)	25.	(1)	26.	(3)	27.	(4)	28.	(2)
.9.	(2)	30.	(3)	31.	(1)	32.	(2)	33.	(3)	34.	(4)	35.	(4)
86.	(4)	37.	(2)	38.	(2)	39.	(3)	40.	(4)	41.	(2)	42.	(4)
3.	(1)												