Model Question Paper

Subject-Biology

Class-XII

SECOND TERMINAL EXAMINATION, 2022

Time: 3 Hrs.			M.M-50
1.	Virus infected cells secre	(1×1=20)	
	(a) Serotonian	(b) Histamine	
	(c) Interferons	(d) None of these	
2.	The antibodies produced	d in response to allergens are	
	(a) IgA	(b) IgD	
	(c) IgE	(d) IgM	
3.	Diacetylmorphine is a/an	1	
	(a) opoid	(b) Cannab <mark>in</mark> oid	
	(c) Coca alkaloid	(d) None of the above.	
4.	Nicotine stimulates		
	(a) Pancreas	(b) Thymus	
	(c) Thyroid	(d) Adrenal gland	
5.	Swiss cheese is produce	ed due to the activity of	
	(a) Virus	(b) Bacteria	
	(c) Fungi	(d) Protozoa	

5.	Citric acid is produced b	y activity of	
	(a) Acetobacter aceti	(c) Lactobacillus	
	(c) Penicillium notatum	(d) Aspergillus niger.	
7.	Secondary sewage treatments	ment is mainly	
	(a) Physical treatment (b) Chemical treatment	
	(c) Mechanical treatment	t (d) Biological treatment	
3.	Which of the following is a free living nitrogen fixing ba		
	(a) Rhizobium	(b) Azotobacter (c) Lichens	
	(d) None of above		
9.	An enzyme which catalyst of DNA is	se the removal of nuc <mark>leotides fr</mark> om the end	
	(a) Exo-nuclease(d) Polymerase.	(b) End-nuclease (c) Ligase	
10.	10. While isolating DNA from bacteria which enzyme is n		
	(a) Lysozyme	(b) Ribonuclease	
	(c) Deoxyribonuclease	(d) Protease	
11.	Crystals of Bt-toxin proceeding themselves because	duced by some bacteria donot kill the bac	
	(a) bacterias are resistant to the toxin		
	(b) Toxin is immature		
	(c) Toxin is inactive		
	(d) Bacteria encloses toxin in special sac.		

12.	GEAC stands for		
	(a) Genetic engineering Action committee		
	(b) Genetic Engineering Approval committee		
	(c) Global Environment Action Committee		
	(d) None of the above		
13.	In commencialism, out of two interacting organisms		
	(a) Both are benefitted	(b) Both are harmed	
	(c) One is benefitted and	l other is uneffected	
	(d) One is harmed other	is benefitted.	
14.	Mycorrihza is a symbiotic association between roots of higher plants		
	and		
	(a) Algae	(b) Fungi	
	(c) Lichens	(d) Protozoa	
15.	Mammals from colder a called	areas have shorter ears and limbs. This is	
	(a) Mendel's rule	(b) Allen's rule	
	(c) None of these		
16.	Which forest is known a	s the lung's of the planet?	
	(a) Siberian forest	(b) Amazon rainforest	

(d) None of the above.

(c) Deciduous forest

17.	The active chemical drug reserpine is obtained from		
	(a) Datura	(b) Atropa	
	(c) Papaver	(d) Rauwolfia	
18.	Rivet popper hypothesis was given by		
	(a) Stanely	(b) Tansley	
	(c) Paul Ehrlich	(d) Jim Corbett	
19.	Cryperservation is preserva	ation of living tissue	
	(a) At a very high temperat	ure	
	(b) Preservation by dehydrating		
	(c) Preservation at very low temperature in liquid nitrogen		
	(d) None of the above.		
20.	Which is not a hot spot of bio diversity?		
	(a) Western ghats and Shri Lanka		
	(b) Indo Burma		
	(c) Himalaya's		
	(d) None of the above		
21.	Draw a well labelled diagra	nm of Antibody molecule.	(2)
22.	Explain a microbial biopest	cicide.	(2)
23.	Write the composition of be produces it	pio-gas and the common bacteria wh	nich (2)
24.	How can we separate DN plain in detail.	A fragments after cutting of DNA,	ex- (2)

25.	Write four advantages of genetically modified plants.	(2)	
	Or		
	What is ADA deficiency? How can it be corrected?		
26.	Why are mammals considered as regulators? (2		
27.	Give two reasons for greater biodiversity in tropical region	ons.	
	Or		
	Write the causitive agents of following diseases		
	(a) Typhoid (b) Ascariasis		
	(c) Malaria (d) Pneumonia		
28.	Where do we use bio-reactors? Explain down streaming process.		
29.	(a) Write four causes of loss of biodiversity?	(3)	
	(b) Write its effects on eco-system		
	Or		
	(a) What is the importance of biopatent?		
	(b) Where do we use Taq polymerase enzyme?		
30.	(a) Differentiate between Primary and Secondary lymphoid or	rgans. (5)	
	(b) The number of helper T-lymphocytes has decreased in the body		
	of an infected person. He is suggested to take anti Retrovi	ral drugs.	
	1. Name the disease he is suffering from		
	2. Write its causative agent		
	3. Name the diagnosist test for this disease.		
	Or		
	29		

- (a) Expand the following
- (a) MALT
- (b) CMI
- (c) NACO
- (d) LAB
- (b) Cirrohsis is the damage of cells
- (c) What is the causative agent of filiarisis, its symptoms and its transmission.
- 31. (a) Write Verhulst pearl Logistic growth equation.
 - (b) An orchid plant is growing on the branch of a mango tree, what type of interaction is this?
 - (c) Write two methods by which plants protect themselves against herbivory?