Model Question Paper

Subject-Biology

Class-XII

SECOND TERMINAL EXAMINATION, 2022

Tir	Time : 3 Hrs.		
1.	Virus infected cells secrete proteins called $(1 \times 1=20)$		
	(a) Serotonian	(b) Histamine	
	(c) Interferons	(d) None of these	
2.	The antibodies produced in response to allergens are		
	(a) IgA	(b) IgD	
	(c) IgE	(d) IgM	
3.	Diacetylmorphine is a/an		
	(a) opoid	(b) Cannabinoid	
	(c) Coca alkaloid	(d) None of the above.	
4.	Nicotine stimulates		
	(a) Pancreas	(b) Thymus	
	(c) Thyroid	(d) Adrenal gland	
5.	Swiss cheese is produced due to the activity of		
	(a) Virus	(b) Bacteria	
	(c) Fungi	(d) Protozoa	

25

Citric acid is produced by activity of		
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teria themselves because		
(a) bacterias are resistant to the toxin		
(b) Toxin is immature		
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26

- 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 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
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- 15. Mammals from colder areas have shorter ears and limbs. This is called
 - (a) Mendel's rule (b) Allen's rule
 - (c) None of these
- 16. Which forest is known as the lung's of the planet?
 - (a) Siberian forest (b) Amazon rainforest
 - (c) Deciduous forest (d) None of the above.

27

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(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 preservation of living tissue
 - (a) At a very high temperature
 - (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 diagram of Antibody molecule.	(2)
22.	Explain a microbial biopesticide.	(2)
23.	Write the composition of bio-gas and the common bacter	ria which

- 24. How can we separate DNA fragments after cutting of DNA, ex-
- plain in detail. (2)

28

25.	Write four advantages of genetically modified plants.		
	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 regions.		
	Or		
	Write the causitive agents of following diseases	(2)	
	(a) Typhoid (b) Ascariasis		
	(c) Malaria (d) Pneumonia		
28.	Where do we use bio-reactors? Explain down streaming p	rocess.	
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?		
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30. (a) Differentiate between Primary and Secondary lymphoid organs. (5)

(b) The number of helper T-lymphocytes has decreased in the body of an infected person. He is suggested to take anti Retroviral 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?

30