Λ	SECOND REVISION TEST	- 2022	Register Number				
XII - ZOOLOGY							
Time Allowed : 3.00 Hours Maximum Marks : 70							
		nor for fairnes	s of printing				
INSTRUCTIONS: 1. Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately. 2. Use Blue or Black ink to write and underline and Pencil to draw diagrams.							
PART - I							
Note: i) Answer all the questions (i) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer. (15×1=15)							
1.	The Codon which acts as an initiat methionine is	or codon an	d also code	es for the	he ami	no acid	
	a) GUA b) AUG c) GU		JAG				
2.	The human chromosome which has a) 1st Chromosome c) 19th Chromosome	s the highest b) 13 th Chr d) Y Chror	omosome	sity is	•		
3.	mRNA molecule is produced by	h) Tuomanii					
	a) Replication c) Duplication	b) Transcripd) Translat					
4.	The golden age of reptiles was	d) Heriotae					
	a) Cenozoic era	b) Mesozoi					
_	c) Palaeozoic era d) Pre-cambrian era Lamarck's "Theory of Acquired Characters" was disproved by						
5.	a) Wallace b) Cope c) Darwin d) August Weismann						
6.	Which of the following is not a protozoan disease?						
	a) Malaria b) Cholera c) Amoebiasis d) Kala-Azar						
7.	Haemozoin is						
	 a) A precursor of haemoglobin b) A toxin from streptococcus c) A toxin from Plasmodium species d) A toxin from Haemophilus species 					oc .	
8.	A chronic memory disorder, caused to a person who has alcohol misuse is known						
	as						
	a) Hallucination	b) Withdra		ms			
_	c) Korsakoff syndrome	d) Liver cirr					
9.	induce antiviral state in uninfected cells a) Interferons b) Thymosin c) Microglea d) Histamines						
10.	Allergy involves	c) Microgle	a uj riista	arrinies			
		c) IgA	d) IgE				
11.	The acidity of gastric secretions kil	lls most inge	ested micro	bes. V	Which :	type of	
	natural immunity is it?						
	a) Anatomical barriers	b) Physiolog	pical barrier	S			
12.	c) Phagocytic barriers Which of the following microorganic	d) Inflamm	atory barri	ers	1 1 1	1	
14	Which of the following microorganism is used for production of citric acid in industries?						
	a) Lactobacillus bulgaris	b) Penicilliu	m eneciae				
	c) Aspergillus niger	Ol Rhizonus	- mlaulaaua				
13.`	c) Aspergillus niger d) Rhizopus nigricans The most common substrate used in distilleries for the production of ethanol is						
	a) Soya meal	b) Groundn	ut				
	c) Molasses	d) Corn me	al				
Kin	Kindly send me your key answers to our email id - padasalai.net@gamil.com						

is used to reattach tendons and tissues, fill cavities in teeth and repair 14. broken bones b) Natural protein adhesive a) Bioreactor d) Alpha lactalbumin c) Monoclonal antibodies How many aminoacids are arranged in the two chains of insulin? 15. a) Chain A has 12 and Chain B has 13 b) Chain A has 21 and Chain B has 30 c) Chain A has 20 and Chain B has 20 d) Chain A has 12 and Chain B has 20 PART- II (6x2=12)Answer any six questions. Question Number 24 is compulsory. Name the anticodon required to recognize the following codons. 16. AAU, CGA, UAU and GCA. List out the salient features of Mutation Theory. 17. What is Hardy Weinberg Equilibrium? 18. What are the physiological effects caused by usage of cannobinoids? 19. Write the scientific name of filarial worm that causes filariasis. Write the 20. symptoms of filariasis. 21. Define: Immunity. 22. Differentiate Somatic cell gene therapy and Germline gene therapy. 23. What is Bioremediation? No organism can be seen without RNA, but there are many organisms without 24. DNA. Give reason for it. PART - III Answer any six questions. Question Number 33 is compulsory. (6x3=18) 25. Mention the main goals of Human Genome project. What is "Non-infectious Disease"? Give example. 26. "Darwins finches are suitable examples of adaptive radiation" - Justify this 27. statement. What are the benefits acquired from participating in an exercise programme? 28. Differentiate Active immunity and Passive immunity. 29. Draw the structure of Lymph node and mark the parts. 30. When does antibiotic resistance develop? 31. What are the steps involved in the production of transgenic organisms? 32. Before injecting penicillin drug into a body, why testing injection is given? 33. PART - IV Answer all the questions. Draw diagrams wherever necessary. (5x5=25)a. Explain how did Hershey and Chase prove that DNA is the genetic material. (OR) Explain the steps involved in DNA finger printing technique. b. Describe the stages of life cycle of Plasmodium in human body, with neat 35. a. diagram. (OR) b. Describe Darwin's theory of Natural Selection. Explain the structure of Immunoglobulin with suitable diagram. 36. (OR) b. What is vaccine? Explain its types. a. Give an account of Microbial fuel cell with a suitable diagram. 37. (OR) b. Explain the role of microorganisms in bioremediation.

(OR)

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a. Explain how recombinant Insulin can be produced.

b. What is PCR? Explain the steps involved in PCR.

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