Total No. of Printed Pages: 2

SUBJECT CODE NO: - FF-6589 FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Sem-III) (Zoology) Examination January-2023 Applied Biotechnology-I ZOO-303

[Time:	3:00 Hours] [Max. Marks: 80
	Please check whether you have got the right question paper.
N. B	1) Question paper is divided in PART-A and PART-B
	2) PART-A is compulsory.
	3) Attempt any FIVE questions from the PART-B'
	4) Draw well labelled diagrams wherever necessary.
	PART-A
Q.1 A	tempt the following multiple-choice questions. 20
1)	should enter the cell in the case of activation of the reporter gene for two
	hybrid system.
	a) Bait protein c) Both of these
	b) Prey protein d) One of them.
2)	PCR technique was developed by
	a) Kohler b) Altman c) Milstein d) Kary Mullis
5	
(3)	which of the following is not a gene expression data base?
	a) Body Map b) Fly view c) Gene Bank d) Seed genes
4)	Sustainable waste management is achieved through
	a) Formulating laws c) Institutional capacity
	b) Community participation d) All of these
5)	<u> </u>
	a) Annealing b) Renaturation c) Denaturation d) None of these
6)	
	a) Cough b) Rheumatoid arthritis c) Pneumonia d) Influenza
7)	The size of polymeric nanoparticle nano system in around?
(FY	a) 10-1000 nm b) 1-500nm c) 1-3000cm d) 0-5000m

	8) Adult Cell cloning is also known as	
	a) Biomedical cloning c) Embryo· cloning	
	b) Reproductive cloning d) Research cloning	
	9) Maximum number of existing transgenic animals is of	
	a) Pig b) Cow c) Fish d) Mice	
	10) plan is used as a waste management plan?	
	a) Plan for reuse c) The integrated plan	
	b) Plan for recycling d) Plan for reducing	
	PART- B (Attend any FIVE)	
Q.2	Define solid waste and write its methods of composting.	12
0.3	Describe molecular diagnosis, scope s significance	12
O_4	Give an account of principles, technique and application of protein sequencing.	12
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0.5	Write in details 'Marine Bio-resources'	12
Q.3	Write in details Warnie Dio-resources	12
0.6		10
Q.6	What is nanobiotechnology and describe the morphological forms of nanoparticles.	12
7		
Q.7	Describe the cellular genomics in diagnostics	12
Q.8	Write a note on following (Any three)	12
	a) PCR technique.	
R. C.	b) Third generation sequencing (3Gs)	
	c) Transgenic poultry.	
	d) Embryo cloning.	