F.Y.BSc. Semester-I Examination

Zoology Paper-II

Course Code- USZO 102

12/12/28

Duration: 3.00 Hr. Total Marks: 100

(2/04/2)		Total Marks: 10
Note: 1) All questions are compulsory		
2)Draw the diagrams wherever n	ecessary.	
3) Figure at Right indicates marks	actic types of sufery symbols and its an civing suitable exactols and its	
Q1) A) Fill in the blanks	aft laboratory pressured to or adoption	(05)
1. The transgenic salmon was creat (Growth Hormone, Estrogen, Ac		Answer santa
2 is defined as the value (Standard deviation, Mode, Mea	e of a variable which occurs most fre	equently.
3. The serves to further m compound microscope. (stage, base, eyepiece, mirror)		he objective in a
4. Centrifuge uses the (gravitational, magnetic, kinetic,	force.	
5. The term Biotechnology was coi (Karl Ereky, Dr. T.J. Pandian, Dr		
B) Match the following 1. Embryonic stem cell 2. Ports and the second	A) ppt	(05)
 Parts per thousand Resolution factor 	B) Insulin C) Absolute Zero	
4. Kelvin scale		
5. Recombinant DNA Technology	E) Chromatography	
 C) True or False Colorimeter works on the princip Baker's yeast is used for making Celsius scale was developed by C 	breads.	(05)

4. Flammable chemicals do not catch fire easily.

5. DNA analysis can be done using gel electrophoresis.

		D) Answer in one sentence	(05)
	1.	Define Mobile phase.	
	2.	Types of central tendencies.	
	3.	What is TLC?	
	4.	Define sample.	
	5.	What are Irritants?	
(Answer the following (Any 2)	(20)
		Explain different types of sampling methods in detail.	
	2.	y the state of the	
	3.	8 8 surries or annual pro unite und a moto on	
	4.	Explain the safe laboratory measures to be adopted by the	students.
			at and with all this (A.)
(Answer the following (Any 2)	(20)
	_	Define cloning. Explain with respect to cloning of Dolly.	emmold sharpith
	2.	and the of Division in the second in the sec	
	3.	g and a second scap.	Anomala si
	4.	Explain In-Vivo Gene Therapy for Cystic Fibrosis	
((24) A	Answer the following	(20)
	1.		
	2.		
	3.		
	4.		A. Contribute uses the
		io, kanelio, esmussugal)	
C	(5)	Write short Notes on (Any 4)	(20)
		andran, Dr. Ian Wilmst, Robert Box	LUT ad adeption
	1.	Molality.	
	2.	Data and Variable.	
	3.	Dissecting microscope.	
	4.	DNA microinjection.	
	5.	Normality.	
	6.	Adsorption chromatography.	
	7.	Types of bar graph	
	8.	Greens genes	