Additional Sybsc

zoology

08/05/2015

S.Y.	B.Sc.	Zoology- Paper II	<b>USZO-402</b>	Date:	Semester IV	Max.	Marks:75
Dura	ation:	2.1/2 hrs.		2		NE PAS	
	No	Note: 1) All questions are compulsory.					
	2) Figures to the right indicate full marks.						
		3) draw a nea	t labeled diagra	m wherever n	ecessarv		
Q.1		Answer the Followin	g Ouestions: (a	ny two)	ceessary		20
	a.	Give an account of C	Culture media us	ed in Tissue (	ulture technique	ag	10
	b.	Describe various type	es of Streaking	methods	culture teeminque		10
	c.	Give an account of 3	'end labeling ar	d 5'end labeli	ina		10
	d.	Give an account of g	ene Library	id 5 chd laben	ing		10
Q.2		Answer the following	Questions (ar	v two)			20
	a.	What is Nitrogen Fix	ation? Explain	production of	genetically engi	neered	10
		plants for nitrogen fix	xation	production of	genetically engin	recred	10
	b.	Describe the Method	s of production	of Golden rice			10
	c.	Describe Di-deoxy M	lethod of DNA	Sequencing			10
	d.	Give an account of P	rotein Conform	ation and struc	otura		10
Q.3		Answer the following	g:	acion and struc	cture		20
	a.	Give an account of d	ifferent type of	Chromosomal	Mutations		10
		Or			Tratations		10
	a.	Describe different type	pes of Post-mat	ing Isolating N	Mechanisms		10
	b.	Describe Mega Evolu	ution	B o i mining i			10
		Or					10
	b.	Describe Hardy- Wei	inberg Fauilibr	ium			
Q.4		Write short note on:	(any three)	ram			10
	a.	Indicator media for ti	ssue culture				15
	b.	Classical method of o	obtaining cDN	4			05
	c.	Bt. toxin	8 02.11	The second	terminal and		05
	d.	NCBI					05
	e.	Sympatric Speciation	1				05
	f.	Gene flow					05
							05