ADAS SATEME

								U	كالعالا	2000		45	MJ5		7			
USN													<u> </u>					15BT73
		Seve	enth	S	em	est	er	B.E.	Deg	gree !	Exai	min	ation	ı, De	c.20	l8/Ja	n.20	19
									1	Plai	nt B	T						
Tin	ne: :	3 hrs	ć.								R	3.0	,			Ma	x. M	arks: 80
	N	ote: 2	4nsw	er a	ıny	FIV	E f	full qu	iestioi	ns, ch	oosing	g ON	E full	questi	on fr	om eac	h mo	dule.
1	a.	Disc	cuss a	aboi	ıt m	าลรร	nro	nagati	ion of		odul		somatic	e embr	voger	necic ar	d hio	chlight its
			Discuss about mass propagation of plants through somatic embryogenesis and hig pplications.												(10 Marks)			
	b. What are Cybrids? Write about the method							ods for cybrid selection.							(06 Marks)			
		.				Į.	r L	y			OR	- 40						
2	a. b.												m base ned pl	d plan	t vect	ors.		(10 Marks)
	υ.	44 111	.c a n	Oic	OII	SCIC	CIIII	ig and	i seice	cion o	ı uan	51011.	neu pr	ants.				(06 Marks)
				A							lule-2							
3	a.	Brie	f on 1	biot	ic s	tres	ses i	faced	by pla	ants ar	d elal	orat	e abou	it trans	genic	plants		BT genes.
	b.	b. Comment on application of plant transformation with Protease inhibitors and a										d aln	(10 Marks)					
		inhil	oitors	S.	1	I		P	4	V		011 //	7	, coaso		4	u uip	(06 Marks)
								4			ND.	A				Alla		
4	a.	Brie	f on	dro	ugh	t st	ress	in pl	ants a		OR e tran	sgen	ic stra	tegies	for d	evelon	ment	of drought
		resis	tance	e in	pla	nts.	4					der					incire	(10 Marks)
	b.	Writ	e a n	ote	on	deve	elop	ment	of tra	nsgeni	c plan	nts fo	or bact	erial re	sistar	ice.		(06 Marks)
						Service Servic				Mac	lule-3	2		The state of the s				
5	Co	mmei	nt on	the	foll	lowi	ing		40.	IVIOC	iuie	3	1	4 diller				
	a.	Plan	t tran	isge	nic	s for	ma	le ste	rility.									(08 Marks)
	b.	Plan	t trar	isge	enic	s fo	r He	erbicio	le res	istance	Э.		7,					(08 Marks)
		4	#					A)	J	()R							
6	Dis	scuss	abou	t en	gin	eeri	ng o	fplan	nts for			7						
	a.								oduct	ion.	γ						,	(08 Marks)
	b.	Caro	teno	id b	105	ynth	esis	pathy	way.		y .							(08 Marks)
				/4	0					Mod	lule-4	4						
7	a.													ertilize				(08 Marks)
	b.	Writ	e abo	out t	the	imp	orta	nce o	fnifg	genes a	ind the	e ger	netic ei	nginee	ring e	fforts u	indert	
								Day										(08 Marks)
								3/										

OR
Explain the signaling pathways of Gibberlins and Cytokinins in plants and their importance. (16 Marks) Module-5

9 a. Discuss about Azolla and its importance in agriculture and add a note on its mass cultivation. (10 Marks)

b. Write a note on algae as a source of biofertilizers.

(06 Marks)

OR

10 a. Write about the different types of mass cultivation methods of Marine micro algae for agar agar and alginates. (10 Marks)

b. Brief about the different types of Open pond systems used for mass cultivation of micro algae. (06 Marks)