Paper / Subject Code: N54411 / Ecology and Ecosystem

Dura	tion: 21	ırs Ma	rks 50
NB:-	1. All q	uestions are compulsory.	
	2. Dra	w neat labelled diagram wherever necessary.	
		questions carry equal marks.	
			(E)
Q.1	Answer any two questions from the following		(10)
	a.		(05)
	b.	Distinguish between aquatic and terrestrial ecology.	(05)
	c.		(05)
	d.	Explain different types of interactions in Environment.	
Q.2	Answe	er any two questions from the following	(10)
	a.	Explain the various Interactions between populations with suitable examples.	(05)
	b.	Give a brief note on Biota in different types of zones, its diversity & adaptations.	(05)
	c.	Describe ecological importance of mangrove vegetation & distribution of	f (05)
		mangrove areas in India.	
	d.		(05)
Q.3	Answe	er any two questions from the following	(10)
	a.	Explain in detail mass and energy transfer in successive tropical level.	(05)
	b.		(05)
		examples.	(05)
	c.	State the importance of Biotic and Abiotic components in the functioning of the ecosystem.	
	d.	Give a brief note on Ecological Pyramid. illustrate with a suitable	(00)
	7:00 tre	diagram.	
Q.4	Answe	er any two questions from the following	(10)
	a.	Explain in detail carbon cycle with suitable diagram.	(05)
	b.	Give a brief note on Flow and energy fixation in ecosystem.	(05)
	c.	What is Biogeochemical cycle? Explain their importance in detail.	(05)
	d.	Explain in detail Sulfur and Phosphorus cycle with diagram.	(05)
Q.5	Answe	er any Four questions from the following	(10)
	a.		$2^{1/2}$
	b.	Secondary succession	$(2^{1/2})$
	69° c.	Biomes	$(2^{1/2})$
	d.	Niche	$(2^{1/2})$
	e	Ballast water	$(2^{1/2})$
	f.	Exclusive Economic Zones	$(2^{1/2})$
	g.	Antibiosis	$(2^{1/2})$
	h h	Estuarina agalogy	(21/2)
