B.Sc. (Part-I) (CBCS Pattern) Sem-I **USENVT02 - Environmental Science Paper-II : Ecology**

	ages: 1 e: Three I	Hours * 2 2 1 6 *	GUG/W/22/11551 Max. Marks: 50
		 All questions are compulsory and carry equal marks. Illustrate the answers with suitable diagrams and examples. 	
1.	Dis	scuss in detail abiotic factors w.r.t. temperature. OR	10
	a)	Explain in brief negative interactions among organisms.	5
	b)	Classify modern branches of ecology.	5
2.		escribe the process of ecological succession. What are the different type ecession? OR	pes of ecological 10
	a)	Explain species diversity and dominance as characteristics of comm	nunity ecology. 5
	b)	With a neat sketch explain growth curve of population.	5
3.	Wh	hat are the ecological pyramids? Explain pyramids of number and bio OR	omass. 10
	a)	Explain in detail grassland ecosystem.	5
	b)	Discuss primary and secondary productivity.	5
4.	Discuss adaptation in aquatic animals.		10
	a)	OR Elaborate the terms : protective mimicry and evolution of mimicry.	. 5
	b)	Describe biological significance of colour in animals.	5
5.	An. a) b) c) d) e) f) g) h) i) k)	what is commensalism? Define ecology. State the Shelford's law of tolerance. Define natality of population. Give the examples of major community. What is migration of population? What is primary productivity? What is biogeochemical cycle? Define ecosystem. What is colouration? What is biomimicry? Write any two causes of colouration.	1x10 =10
