P. Pages : 2 Time : Three Hours			B.Sc. 3520 - Environmental Science Paper-II (Environment and Innovations)	G/W/18/1310 Iax. Marks : 50	
	Note	es: 1. 2.	All questions are compulsory and carry equal marks. Illustrate the answers with suitable diagrams and examples.		
1.		-	goals of environmental innovations. Discuss waves of innovations and ment of eco-innovations.	10	
			OR		
		Discuss	free public transport and floating houses in rising sea as physical innovations.		
2.			method of manufacturing of magnetized fly ash for agriculture. Discuss its ation in crop yield.	10	
			OR		
		Discuss has beer	how rain water harvesting in Mizoram and water source management in Bhandara n done?		
3.	a)	Explain	barriers and drivers of eco-innovations.	21/2	
	b)	Explain innovati	how reducing cost and performance of solar cells is done using physical ons.	21/2	
	c)	Write ab	oout Makku Van Panchayat in Uttarakhand.	21/2	
	d)	Explain	how electricity from rice husk and algae is produced.	21/2	
			OR		
	e)	Explain	innovation system and innovation process.	21/2	
	f)	How ext	traction of water is done from atmosphere in hilly terrain?	21/2	
	g)	Write ab	pout natural farming.	2¹/ ₂	
	g)	Discuss	contribution of Vigyan ashram for innovation.	21/2	
4.	a)	Explain	how innovations in products and systems have been carried out?	21/2	
	b)	Discuss	green urban planning in Brazil.	21/2	
	c)	Write ab	oout Beej Bachao Andolan.	21/2	
	d)	How end	ergy extraction from small hydro plants in Himachal Pradesh has been carried out?	21/2	

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e)	Exp	Explain significance of eco-innovations.		
f)	Discuss need of ITC for sustainable growth.			
g)	Explain the method of traditional biodiversity conservation.			
h)	Brie	21/2		
	Answer in 2-3 lines any ten.			
	a)	Write benefits of eco-innovations.	1	
	b)	Define environmental innovations.	1	
	c)	What is eco-industry?	1	
	d)	What are eco-surfactants?	1	
	e)	Write about greener mobile phones.	1	
	f)	What is biodegradable ink?	1	
	g)	What is dry land farming?	1	
	h) How natural resource conservation in Mendha Lekha has been done?		1	
	i)	Give the ecological principle for pest management.	1	
	j)	What is TERI?	1	
	k)	Name the place where Bare foot college is located?	1	
	1)	Where centre of science for village is located?	1	

5.