(b) Pyramid of Energy

3.	Writ	e on :					
	(g)	Natality and mortality.	4				
	(h)	Biotic potential and life table.	4				
	(i)	Parasitism.	4				
	OR						
	(j)	Age structure and growth curve.	4				
	(k)	Mutualism.	4				
	(1)	Predation.	4				
4.	Define community ecology. Describe species diversity, dominance growth form and structure of community.						
		OR					
		at are the methods of community study cribe with diagram and significance quad nod.					
5.	Writ	re on :					
	(m)	Structure of ecosystem.	4				
	(n)	Food chain in grassland ecosystem.	4				

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Time: Three Hours]

		· ·						
	(c)	Both				(C)	Answer in One sentences.	
	(d)	None	$\frac{1}{2}$				(i) What are three levels of biodiversity	•
(ii)		an ecosystem the main source	of				(ii) Give the role of decomposers i ecosystem.	1
	(a) (b)	Heat released during transpiration Solar energy	on.				(iii) Give the examples of bioindicators is soil pollution.	I
	(c)	Energy stored in plants. None	i				(iv) What is primary succession?	
(iii)		ch of the following is the qualitat	ive		2.	Writ	e on :—	
		racter used in community study.				(a)	Temperature as a climatic factor.	2
	(a) (b)	Abundance -				(b)	Diagrammatic representation of Nitroge cycle.	1
	(c)	Density		14		(c)	Account on sulfur cycle.	4
	(d)	Life form	$\frac{1}{2}$				OR	
(iv)	Hot (a)	spots are the regions of high Diversity				(d) (e)	Light as a climatic factor. Diagrammatic representation of carbon cycle	e e
	(b)	Endemism						4
	(c) (d)	Rainfall Critically endangered population	$\frac{1}{2}$			(f)	Account on oxygen cycle.	2

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	(0)	Components of marine ecosystem.	4
		OR	
	(p)	Food chain in forest ecosystem.	4
	(q)	Diagrammatic representation of energy flow model.	y-shape 4
	(r)	Components of cropland ecosystem.	4
6.	Des	at is productivity of ecosystem? Give is cribe different methods of productivity of ecosystem?	
		OR	
		us on ecological succession. Give cribe with diagram hydrosere.	causes.
7.	Writ	te on :—	
	(s)	Types of biodiversity.	4
	(t)	Western ghat as a hot spot.	4
	(u)	Indicators of soil pollution.	4

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OR

(v)	Causes of biodiversity loss.	4
(w)	Eastern himalaya as a hot spot.	4
(x)	Indicators of water pollution.	4

