.ن		(To be filled in by the candidate)		
		(Academic Sessions 2017 – 2019		
B	IOL			
P	APEF	R – II (Essay Type) GROUP – I	Maximum Marks: 68	
		SECTION - I		
2				
4		rite short answers to any EIGHT (8) questions		
	(i)	, , ,		
	(ii)	0		
	, ,	How vasodilation differ from vasoconstriction?		
		Define ecdysis or moulting, give its two stages.		
	(v)	1 ,	1.	
		Give two functions of skeletal system.		
		Define seed dormancy. Write its two significant	ice.	
		Define oviparous and viviparous animals.		
		What is profundal zone?	6 6.1	
	(x)			
	, ,	Differentiate between deforestation and refores		
	. ,	Define eutrophication, give its one effect upon		
3.	Wr	rite short answers to any EIGHT (8) questions	: 16	
	(i)			
	(ii)	Write the role of progesterone.		
	(iii)	What is Addison's disease?		
	(iv)	What is gene and its locus?		
	(v)			
	(vi)	Write dominant and recessive trait.		
		What are three possible ways to get a gene?		
	(viii)	1 0		
	(ix)	•		
	(x)		an?	
	(xii)	Write crustose lichens in xerosere.		
4.	4. Write short answers to any SIX (6) questions:			
	(i)	Define growth and development.		
	(ii)			
	(iii)	Draw structural formula of nucleotide.	*	
	(iv)	Differentiate between leading strand and lagging	g strand.	
	(v)	Define transformation. In which bacterium it v		
	(vi)			
	(viii)	Differentiate between homologous and analogo	is organs.	
		environment of earth?		
		SECTION II		
		SECTION - II		
	ote :			
5.	(a)	Give the homeostatic roles of liver in the form o	f a table.	
	(b)	Define ecosystem. Discuss its components and	their interaction. 4	
6.	(a)	Write down four phases in the repair process of	a fracture. 4	
	, ,	Write a note on genetic code.	4	
7		- 7.5		
7.	` '	Explain structure and function of forebrain in ma		
		Write a note on algal bloom or eutrophication.	4	
8.	1	Write a note on identical twins and fraternal twin	ns. 4	
	(b)	Write a note on diabetes mellitus.	4	
9.	(a)	Describe the types of meristems.	4	
		Explain the evidences of evolution by fossil reco		
			102 221 L (Fessy Type) 25000	