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		OGY 222-(INTER PART – I) Time Allowed: 2.40 hour R – I (Essay Type) GROUP – II Maximum Marks: 68	rs
PF	APER		
-		SECTION - I	
2.		ite short answers to any EIGHT (8) questions:	16
		Which role is played by cellulose digesting enzymes in plant eating animals, discuss briefly.	
	(ii)	At constant temperature and pH, how rate of reaction can be doubled?	
	(iii)	In which way inhibitors stop catalytic activity of the enzymes? Give one example. Why enzymes remain unaltered after the formation of products?	
	\ /	What is parasexuality in fungi?	
		Name the phylum of these animals, octopus, tape worm, leech and dolphin.	
	viii)		
•	(ix)	What do you know about pseudocoelomates?	
		Define polymorphism, also give an example.	
		Differentiate between photosystem-II and photosystem-II.	
(xii)	Write name of four stages of cellular respiration.	
3.		ite short answers to any EIGHT (8) questions :	16
	(i)	Compare radiotherapy and gene therapy to control diseases.	
	(ii)	Differentiate between embryonic and organism cloning.	
	(iii)		
	(iv)		
	(v)	Basically kingdom protista is defined by exclusion, how? How slime moulds adopt unfavourable and favourable conditions?	
	vii)	Why phytophthora infestans is infamous in human history?	
		What type of pigments are found in rhodophyta and chlorophyta?	
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		Write scientific names of potato and amaltas.	
		Describe apoplast pathway.	
(xii)	What are granulocytes?	
4.	Wr	ite short answers to any SIX (6) questions :	12
	(i)	Write down contributions of E-Chatton.	
	(ii)	Shortly write down the structure of bacteria.	
	(iii)	Write down the role of nitrogen and phosphorus in plant growth.	
	(iv)	Write few lines on filter feeders.	
	(v) (vi)	Differentiate cardiac and pyloric sphincter with reference to their function. Write down CO ₂ concentration in arterial and venous blood.	
	vii)	What is the role of partial pressure of O ₂ during shock?	
	viii)	Write short note on asthma.	
•	-	How rubisco is converted into serine?	
	. ,	SECTION – II	
No	te :	Attempt any THREE questions.	
5.	(a)	Give the details of biological conservation and protection of environment.	4
	· /	What is immunity? Discuss its major types.	4
6.		What is RNA? Describe its different types.	4
••	(b)	Discuss the economic gains due to fungi.	4
7.	(a)		4
٠.	(b)	How the life cycle of an angiospermic plant differs from a gymnospermic plant?	4
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8.	(a)	Illustrate the life cycle of bacteriophage diagrammatically. Give in detail the carbon fixation and reduction phase of Calvin Cycle.	4
	(b)		
9.		Discuss structure and chemical composition of cell wall.	4
	(b)	Explain the process of digestion in oral cavity of man.	4
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