	SC	LIENCE (I	HEOR	Υ)			
Question 1.	Choose the correct option						
a.	When powdered lead nitrate is heated in boiling tube then produced brown smoke has -						
	(i) Nitrogen mono oxide.						
	(ii) Nitrogen tri oxide.						
	(iii) Nitrogen odi oxide.						
	(iv) Nitrogen penta oxide.						
b.	A solution turns red litmus paper into blue, its pH probablity be -						
	(i) (ii) 4	(iii) 5	(iv)	10			
с.	The decomposition of pyru	vate to produ	ice Carb	on dioxi	de water a	and energy	happens in
	(i) Cytoplasm	(ii) Mitochondris					
	(iii) Cloroplast	(iv) Nucleu	ıs				
d.	Ehich of the following is not represent electric power -						
	(i) I ² R (ii) IR ²	(iii) VI	(iv) =	N ² R			
e.	The change in the focal lenth of eye lens is due to action of						
	(i) Pupil	(ii) Retina					
	(iii) Ciliary Muscles	(iv) fris					
f.	Dam is related to -						
	(i) Therno-electric station		(ii) N	uclear p	ower stati	on	
	(iii) Hydroelectric power st	ation	(iv) (as initia	tive powe	er station	
Question 2.	What is Amalgam?						
Question 3.	Name a plant harmone which inhibits growth?						
Question 4.	What is the another name of Right Hand thumb law?						
Question 5.	Which mission is used as rear mirror in vehicles?						

Question 6. Which radiation is absorbed by ozone layer?

Juestion	7.	What happens when Ethenoic Ac	id reacts with So	odium hydroxide, write the equation of			
		the reaction ?		, ,			
Ouestion	8.	What is the meaning of period &	group in period	ic table? How many groups & periods			
		in extended modern periodic table					
Question	9.		What are the different circumstances for photo synthesis?				
			What is the meaning of internal fertilization & external fertilization Explain with				
		examples?		•			
Question	11.	•	What do you understand by Homologons & Analogons Organs ? Explain with				
		examples?	C				
Question	12.		ow to avoid over	load in domestic electric circuit ?			
		-	Iow much charge is possess by an electron Calculate the number of electrons to				
		make a one coulomb charge?					
Question	14.	. Write four properties of image for	ormed by plane	mirror ?			
Question	15.	. Write advantages of electricity pr	oduceed by win	d energy?			
Question	16.	. Writw an equation of decomposi	on for each when	re energy is privided as (a) heat (b) light			
		& (c) electricity ?					
Question	17.	. Write three physical properties o	f each metal and	l non metal ?			
Question	18.	. Electronic configuration of there	elements X, Y &	& Z are given below -			
		X - 2, Y - 2,6	Z - 2,8,2				
		(i) Which element is a member o	f second period	?			
		(ii) Which element is a member of	of second groups	;?			
		(iii) Which element is a member	of eighteenth gro	oup?			
			OR				
		What is Hydrogenation? Explan	the industrial us	se of this process.			
Question	19.	. What is the difference between s	elf pollination a	nd Cross polination? How the insects			
		helf in cross pollination?					
Question	20.	. Name the glands which Accrete f	Collowing hormo	ones -			
		(i) Estrogen (ii) T	Thyroxine	(iii) Insulin			
		(iv) Testosteron (v) (Groth harmone	(iv) Adrinalin			

Question 2	0. Name the glands which Ac	ecrete following	······-					
	(i) Estrogen	(ii) Thyroxine	(iii) Insulin					
	(iv) Testosteron	(v) Groth harmone	(iv) Adrinalin					
Question 2	1. What is Blood? Write the	functions of its each compo	onent?					
Question 22. Cross section areas of copper wire is 0.1964X10 ⁻⁶ m ² if the specific resistance of								
copper is $1.6 \times 10^{-8} \Omega$ m								
OR								
	Write three properties of Magnetic line of force ?							
Question 23. Two thin lenses of power +5.0D and -7.5d are placed in contact to each other.								
Find out the focal length and power of this lense combination.?								
Question 24. Explain why?								
	(i) Inner surface of solar cooker box is black.							
	(ii) Solar cooker box is covered by glass sheet							
(iii) Plane mirror is used as reflection in solar cooker box.								
Question 25. What is plaster of paris? How it is formed? What happens when we poured water in								
	plaster of paris, give equat	ion also.						
Question 26. Write the molecular formulae of pantane. Draw the structure of all possible isomers								
	of pantane.							
Question 27. Which substances are found in gastric juice and what are their functions?								
Question 28. Draw the labelled diagram of electric motor. Clear its principle & methodology. ?								
Question 29. What is chromatic order? Draw a labelled diagram to show the formation of								
	chromatic order. Write the	e different colours of chrom	atic order.					
Question 30	0. Why we conserve forest an	nd wild life?						
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