B) When considered the spread of plants in above environment, plants closer to the above surface was seen wide spread.

i. What is the main limiting factor that affects the above situation?

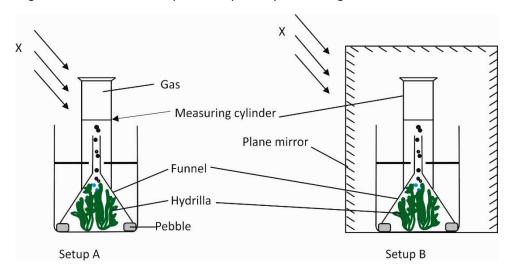
ii. The cuticles or stomata could not be seen in leaves of some of the above plants. What is the reason for it?

.....

(02)

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		. It was observed removal of air bubbles from the leaves of the plants mentioned in above (ii).		
 2		a. What is the biological process related with the above phenomena?	(01)	
Not for Sale		b. Write the balance chemical equation for the above phenomena.	(01)	
Sale		c. What is the organ adapted to identify vibrations in organisms of group A?	(01)	
	iv	. When vibration is made in this environment animals started moving away from that place. According the above statement	rding to	
		a. Mention two features of organisms mention in the above statement	(02)	
			••••••	
b		garding the transmission of waves at the above incident, make a (\checkmark) against the relevant feature		
	tra	ansmitted waves and mark a (\times) against the irrelevant and features.	(03)	
		A type of mechanical waves ()		
		Get transmitted as longitudinal waves ()		
		• It makes crests and troughs. ()	. (
C.		Droplets of water taken from the above when a pH paper is wettened with a droplet of water taken		
	а	bove environment, it was in the range of 5 – 6. a) Mention whether the tested droplet of water is acidic, basic or neutral?	(02)	
		a) Wellion whether the tested droplet of water is acidic, basic of fledital:		
		b) The above-mentioned droplets of water is in above mentioned pH range due to dissolving o	ne of the	
		gaseous components present in air. What is that gaseous component?	(02)	
 > 2.				
i Not for S	(A)	A Concept map of classification of animal tissue is given below.		
o	Animal Tissue			
Sale				
ص				
		+ + + +		
		Muscle tissue D E		
		Covering of of materials of nerve impulses		
		organs surfaces		
	(B)	fill the blanks A, C, D, E	(04)	
		A		
		В		
		C		
	(0)	D	(0.0)	
	(C)	Write another function of A other than covering surfaces.	(02)	
	(D)	What is the basic behaviour shown when muscle tissue gets activated?	(03)	
Vot	(F)	Write the letter of the tissue relevant to the features given below	(04)	
Not for Sale	(-)	i. Cells a present on a basement layer.	()	
DS.		ii. Cylindrical, unbranched multinucleated	()	
le		iii. Presence of cells with nucleus and without nucleus, some cells show phagocytic movements.	()	
		iv. Cells with a cell body and projections arise from it.	()	
			` '	

B) A Set up a range to test the factors required for photosynthesis is given below.



Both A and B set up are identical. All the sides of setup has covered by plane mirrors. X is a type of electromagnetic waves that lies in the range of 4.25×10^{14} Hz to 7.6×10^{14} Hz.

	i.	Which factor required for photosynthesis is tested using the above setup?	(02)
	ii.	What is the expected observation?	(02)
	iii.	What is the type of waves mention as X above?	(03)
	iv.	Write a factor that is to be kept constant during the activity.	(02)
C)		ir volume of 30 cm ³ is collected in gas jar of set up A during 5 minutes. Calculate the rate of osynthesis.	
			(03)
3)	A.	Activity series of metals is given below.	
	K	Na Ca Mg Al Zn Fe Sn Pb Cu Hg Ag Pt Au	
	•	Reactivity Decreases	
i.		rite the symbol of the material matches with the description in the blank.	(05)
	ć	a. The metal that store in Paraffin in laboratory	
	I	o. The metal that burns with a bright white flame and remains as a white powder	
	(The metals that reacts vigorously with dilute acid	
	(d. The element indicates as X above	••••••
	(e. The metal itself exist in nature as mines	

help of weight W and the direction.

v. Draw the force acted on the rod when it is kept under equilibrium.

1m long wooden rod

(04)