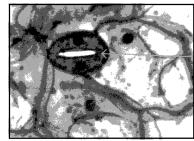
3	a.	i. ii.	Name the four factors that affect photosynthes	is (2)			Half Yearly Examination - 2018-19		
			Draw a neat labelled structure of a chloroplast			Biology			
	b.	i.	Write any three differences between Anaerobic respiration and aerobic respiration	(3)		iss : ' ne : 2	VII	Full Marks : 80	
		ii.	Name the cell-organelle where complete breakdown of glucose occurs.	(1)			SECTION A (40 Marks)		
 4. 5. 		iii.	Name the natural process that helps in replenishing oxygen in nature.	(1)	I.		(Attempt all questions from this Section) Choose the most appropriate option and write:	(5)	
	a.	i.	Draw a neve cell and label any 4 parts	(3)	1.		The process of obtaining food and utilising it for		
		ii.	Write any two characteristics of cardiac muscle	(2)		1.	various metabolic activities is known as		
	b.	i.	Write any two differences between a bone and cartilage	(2)(3)(2)(1)			a. assimilation b. nutrition c. digestion		
		ii.	Write any three differences between				d. photosynthesis		
			respiration and photosynthesis			2.	The minute openings present in the leaves are		
	a.		Name the two by-products of a germinating seed during respiration. Name the biochemist who established the Kreb's cycle				known as –		
							a. lenticels b. guard cells c. stomata		
							d. chlorophyll		
		iii.	ii. Name the two criteria of sunlight required to	(0)	3.	The optimum temperature for photosynthesis is -	-		
			increase the rate of photosynthesis	(2)			a. 20-30°C b. 10-20°C c. 30-40°C d. 40-50°C	С	
	b.		How are fossil fuel important to us?	(2)		4.	Glucose is stored in plants in the form of -		
			Write any two differences between xylem and phloem	(2)			a. protein b. starch c. glycogen d. fat		
		iii.	What is tissue culture?	(1)		5.	Tendons join –		
6.	a.	i. ii. iii.	Write any two differences between RBC and WBC What is lymph and state its function Write any three differences between striated and instriated muscles	(2)			a. muscles to bones b. bones to bones		
							c. muscles to skin d. muscles to muscles		
				(1)		b.	Name the following : ((10)	
				(3)		1.	The muscles present in the heart are called		
	b.	i. ii.	Write any three functions of blood	(3)		·	The long thread-like structures arising from the		
			Name the two types of skeletal tissue.	(1)			cyton of nerve cells are		

- The cells regulating the opening and closing of stomata
 The immediate product of photosynthesis
 The energy coin of the cell
 The process of production of energy inside the cells
 The number of ATPs released during aerobic respiration
- 8. Aerobic respiration takes place in the presence of
- 9. Energy is stored in the form of
- 10. A group of similar cells performing a specific function
- c. Correct the following false statements: (8)
- 1. In meristimatic tissue, cells have thick walls
- Sclereids are a type of collenchymatous tissue with highly thickened walls
- 3. Guard cells are horse-shoe-shaped cells that surround each stoma
- 4. When the colour of iodine solution turns blue-black it shows the presence of chlorophyll
- 5. All plants are termed as consumers
- 6. During the night, the stomata remains open
- 7. Cambium is responsible for the increase in length of the plants
- 8. WBC contain haemoglobin
- d. Write the location and function of the following: (6)
 - 1. Cartilage 2. Lenticels 3. Chloroplast

e.	Match the following: (Rewrite in pairs only)		
1.	Cyton	grana	
2.	Parenchyma	autotrophic nutrition	
3.	Fossil fuel	spindle-shaped	
4.	Cartilage	shock absorber	
5.	Connective tissue	blood	
6.	Chloroplast	petroleum	
7.	Plants	aerenchyma	
8.	Unstriated muscle	cell body	
f.	Define :		(3)

1. photosynthesis 2. fermentation 3. respiration SECTION B (40 Marks)

(Attempt any 4 questions)



2a

- i. Identify the above diagram (1)
 ii. Name the place where they are found (1)
 iii. Write in brief its day and night working mechanism
 iv. Write its function (1)
 b. i. Name the two types of respiration and represent each with a formula (chemical equation) (3)
 - iii. What is chlorophyll and what is its function? (1)

(1)

ii. Write the full form of ATP