Seat No:	Enrollment No:
Seat No.	Em officent No:

PARUL UNIVERSITY

COLLEGE OF AGRICULTURE

B.Sc.(Hons.) Agriculture Summer 2018 - 19 Examination

Semester: 3 Subject Code: 20110201 Subject Name: Crop physiology	Date:22/04/2019 Time:10:30am to 01:00pm Total Marks: 60
Instructions	
1. All questions are compulsory.	
2. Figures to the right indicate full marks.	
3. Make suitable assumptions wherever necessary.	
4. Start new question on new page.	
Q.1 Do as Directed.	
A. Fill in the blanks. (Each of 1.00 marks)	(10)
1. The place of light reaction takes place at _	
2. The place of Krebs Cycle takes place at	
3. The process of making food in the plants is	
4. The process of breakdown of organic mole	
called	
5. Site of glycolysis in the plant cell	
6. The pigment responsible for light harvesting	g in the plant cell is
7. The yellowing of older leaves due to defici	
8. The cell to cell connection is called	
9. The study of internal mechanism of plants	is called
10. The membrane surrounding the vacuole is	
B. Multiple choice type questions. (Each of 1.0	
1. Nucleus was discovered by	
a) Camillo golgy	c) Benda
b) Watson	d)Robert brown
2. The term chromosome was given by	,
a) Watson	c) Camillo golgy
b) Waldeyer	d) Benda
3. The network like channels in the plant cells	s are called
a)golgy bodies	c)endoplasmic reticulum
b)nucleus	d) none
4. The green colour plastids present in the pla	nt cells are called
a)chromoplasts	c)xanthophylls
b)leucoplasts	d)chloroplasts
5. The first stable compound in CAM plant is	•
a)PGA	c)OAA
b)RUBP	d)CA
6. The first stable compound in C4 plant is	
a) PGA	c) RUBP
b) OAA	d) CA
7. The site of dark reaction of photosynthesis	in the chloroplast is
a)stroma	c) stromal lamellae
b)grana	d)plasma membrane
8. The cellwall of animals are made up of	
a)chitin	c)hemicelluloses

	b)cellulose	d)starch	
	9. Advanced organisms are called	,	
	a) eukaryotes	c)prokaryotes	
	b)bacteriophages	d)viruses	
	10. The cell wall of bacteria are made up of		
	a) hemicelluloses	c) chitin	
	b) muramic acid	d) starch	
Q.2	Do as Directed.		
\mathbf{A}	. Define the following. (Any five)		(05)
	1.Transpiration		
	2.Photosynthesis		
	3.Glycolysis		
	4. Stomata		
	5. Prokaryote cell		
	6.Vacuole		
	7. Kreb's cycle		
В	. Answer the following. (Any Five)		(05)
	1. Eukaryote cell		
	2. Photophosphorylation		
	3. Osmosis		
	4. Endosmosis		
	5. Photolysis of water		
	6. Diffusion		
	7. Respiration		
Q.3	Write short notes. (Any five)		(15)
	1. Mention the parts of plant cell and explain	the main function of mitochondria	
	2.differentiate between C3,C4 & CAM plant	s?	
	3. Explain the opening and closing process o	of stomata	
	4. Mention the classes of plant growth regula	ators	
	5. Mention the function of gibberllic acid in	the plants	
	6. Write down the structure of chloroplast an	nd labelled it	
Q.4	Attempt any Three/Long Questions/Examp	ole	(15)
	1. Write down the Krebs cycle		
	2. Explain the steps involved in the glycolysis	3	
	3. Explain nitrogen deficiency, function and c	corrective measures in the plants	
	4. Write down the dark reaction of photosynth	hesis	