SARDAR PATEL UNIVERSITY

FIRST YEAR B.SC (1 SEMESTER) EXAMINATION Friday 15th NOVEMBER 2013 2:30 PM - 4.30 PM

US01CBIO 02 (PLANT CYTOLOGY AND TAXONOMY)

	I Otal Warks: /t
Q-1 Multiple choice Questions	(10)
Bacterial cell with one flagella is called	
(a) Acentric (b) Amphicentric (c) Monoce	entric (d) pericentric
2. Mesomoes are the extention of	 Medical processing for the processing of the processi
(a) Cell wall (b) Capsule (c) Plasma memb	rane (d) Cytoplasm
3. The Stage in which Cromosomes are arranged or	
(a) Prophase (L) Masters	Telophase (d) Anaphase
4. Which of the following are known as Suicidal bag'	
(a) Chloroplast (b) Lysosomes (c) Ribosor	mes (d) Mitochondria
5. The function of photosynthesis is carried by	
(a) Nucleus (b) Mitochondria (c) Chloropla	ast (d) Ribosomes
6. When all the floral parts arise from above the ovar	
(a) Hypogynous (b) Epigynous (c) Perigy	
7. When single leaf arises from each node, phyllotaxy	/ is known as
(a) Opposite (b) Whorled (c) Alternate 8 Segments of compound leaf are known as	e (d) None of these
(a) Bract (b) Leaflet (c) Stipulo	e (d) Bracteole
9. Corolloid roots are present in	
(a) Cycas (b) Pinus (c) Sunflower	(d) Cotton
10. Placentation is in family cucurbitaceae	
(a) Axile (b) Basal (c) Marginal	(d) Parietal

Continue ...

Q-2	Short Questions (Attempt any ten)	(20)
	Write a note on Binary fission in Bacteria	
	Sketch and label Bacteriophage	
	Bacteria is prokaryotic organism give reason.	
	Give two functions of chloroplast	
	Give the types of Ribosomes	
6		
	Sketch and label Typical leaf What is Inflorescence?	
	What is phyllotaxy ?	
	D. Write a economic importance of Karela	
	Write vegetative reproduction in cycas	4
	2. Define the term Monadelphous stamen.	
Q3	(a) Describe the ultra structure of bacterial cell	(06)
	(b) Describe different types of bacteria based on flagella	(04)
	OR CHARLES OR CHARLES	
Q3 E	Explain	
	(a) Properties and structure of virus	(05)
	(b) Conjugation in Bacteria	(05)
Q4 [Describe the structure and functions of Mitochondria	(10)
	OR CONTRACTOR OF THE CONTRACTO	
Q4	(a) Describe the structure of Endoplasmic Reticulum	(06)
	(b) Sketch and label plant cell.	(04)
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Q5	(a) Describe the different types of racemose inflorescence	(06)
	(b) What is Aestivation? describe its types	(04)
•	OR State of the st	
	(a) Explain the types of palmate compound leaf	(06)
	(b) Explain types of flower based on position of ovary	(04)
Q6	Write general characters of solanaceae family with economic importance	(10)
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Q6	Describe	
	(a) Cycas male cone	(05)
	(b) Floral characters of cucurbitaceae family	(05)

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