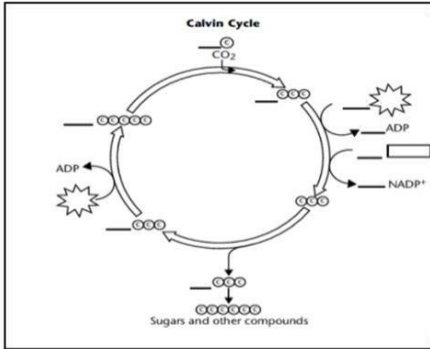


BCM SCHOOL BASANT AVENUE DUGRI ROAD, LUDHIANA
XI BIOLOGY
ASSIGNMENT

1	Kranz anatomy is usually associated with: a.C3 plants b. C4 plants c.CAM plants d.C3 – C4 intermediate plants
2	The process by which anything is grouped into convenient categories based on some easily observable characters is- a.Identification b. classification c. sorting d. grouping
3	Assertion: Aerenchyma help in buoyancy to hydrophyte plants. Reason: The large air chambers are present in aerenchyma.
4	Supply a specific scientific term for each of the following- (i)The period between two successive mitotic divisions. (ii) Point at which two sister chromatids are held together. (iii) Phase in the cell cycle when protein and RNA are synthesized. (iv) Nuclear division
5	Mention the function of the following in case of frog- (i)Ureters (ii) Gastric glands (iii) Uriniferous tubules.
6	a. Explain double circulation. Explain the advantage of the complete partition of ventricle among birds and mammals and hence leading to double circulation. b. How can we say that artificial pacemaker is a lifesaving instrument?
7	Akshita who is a biology tutor was teaching photosystems to the students at her place. While explaining the topic light reaction said that, “Two of the three products of light reaction, ATP and NADPH are used to drive the reactions in the biosynthetic/dark phase.” It has been verified by the fact that immediately after light becomes unavailable, the biosynthetic phase continues for some time and then stops; if light becomes available again, the process continues. Her brother, student of class XI was also listening the same and was remembering that he had listened the same from his biology teacher also. He interrupted her sister and asked her to re-explain the whole process for the better understanding. a. <p style="text-align: center;">Direction: Complete the information on the Calvin cycle below.</p> <div style="text-align: center;">  </div>
b.Can we say that calling the biosynthetic phase-dark reaction is a misnomer? Justify.	

Syllabus for September Exams

Chapter-: Biological Classification

Chapter-: Plant Kingdom

Chapter-: Animal Kingdom

Chapter-: Morphology of Flowering Plants

Chapter-: Anatomy of Flowering Plants

Chapter-: Structural Organisation in Animals

Chapter-: Cell-The Unit of Life

Chapter-: Cell Cycle and Cell Division

Chapter-: Photosynthesis in Higher Plants

Chapter-: Breathing and Exchange of Gases

Chapter-: Body Fluids and Circulation

Chapter-: Excretory Products and their Elimination