



BIOLOGY

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BIOLOGY (GUJRATI ENGLISH)

**SAMPLE QUESTION PAPER FOR
SECOND EXAM**

Section A

1. State True (T) or False (F).

Potassium is the constituent of ring structure of chlorophyll.



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2. Identify me : I make 1 Glucose, 18 ADP and 12 NADP as products.



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3. Match the column :

Column - I		Column - II	
(A)	C ₃ cycle	(i)	18 ATP are used.
(B)	C ₄ cycle	(ii)	24 ATP are used.
		(iii)	30 ATP are used.

(A) _____, (B) _____

(A) _____, (B) _____



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4. What are respiratory substrates ? Name the most common respiratory substances.



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5. Give difference : Blood and Lymph.



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6. Show the function of Antennal gland.



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Section B

1. Give difference : 1st and 2nd phase of Glycolysis



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2. Explain loop of Henle.



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3. Describe the stored food in Green Algae and Brown algae.



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4. Metabolism is a defining feature of all living organisms without exception. Isolated metabolic reaction in vitro are not living things but surely living reactions, comment.



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Section C

1. Explain three types of solutions.



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2. Explain pressure flow hypothesis of translocation of sugar in plants.



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3. Explain sequence of the developmental process in plant cell.



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4. Explain the summary of Absorption in different parts of digestive system.



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5. Explain Haplontic life cycle with the help of figure/chart.



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6. Explain reproductive system of frog with diagram.



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Section D

1. Explain Double circulation with the help of chart.



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