

TERM-II

QUESTION PAPER (SAMPLE-6)

Class: XI

Subject: Biology

Time Allowed-2 Hours

Max.Marks.:35

Section-A

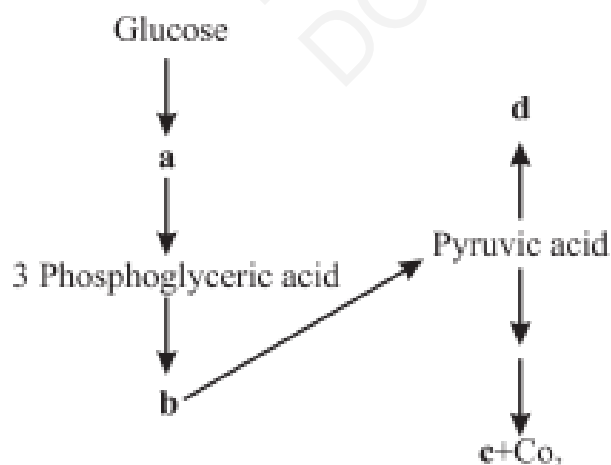
1*7= 7 Marks

1. Can there be DNA replication without cell division?
2. Mention the steps of Prophase 1 of mitosis.
3. Where is IAA synthesised in Plants.
4. What is the amount of O₂ supplied to tissues through every 100 ml. of oxygenated blood under normal physiological conditions?
5. Cigarette smoking causes emphysema. Give reason.
6. How do you distinguish between a skeletal muscle and a cardiac muscle?
7. Differentiate between Thalamus and Hypothalamus.

Section-B

3*6= 18 marks

1. How does cytokinesis in plant cells differ from that in animal cells?
2. Mention the important series of events of aerobic respiration that occur in the matrix of the mitochondrion and in the inner membrane of the mitochondrion.
3. In the following flow chart, replace the symbols a,b,c and d with appropriate terms. Briefly explain the process and give any two applications of it.



4. Thrombocytes are essential for coagulation of blood. Comment.
5. Show the structure of a renal corpuscle with the help of a diagram.

Section-C

5*2=10 Marks

1. What special anatomical features are displayed by leaves of C4 plants?
How do they provide advantage over the structure of C3 plants?
2. Illustrate the differences between the mechanism of action of a protein and a steroid hormone

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