



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore – 35

DEPARTMENT OF BIOMEDICAL ENGINEERING



Unit II

1. Blood sugar is
 - i. sucrose
 - ii) lactose
 - iii) glucose
 - iv) fructose
2. Glycolysis occurs in
 - i. Mitochondria
 - ii) cytosol
 - iii) nucleus
 - iv) ribosome
3. How many ATP molecules are generated during glycolysis
 - i. 2
 - ii) 10
 - iii) 6
 - iv) 8
4. Which of the following enzyme links glycolysis and TCA cycle
 - i. Glucokinase
 - ii) PFK
 - iii) LDH
 - iv) pyruvate dehydrogenase
5. Which one of the following enzyme is involved in substrate level phosphorylation
 - i. citrate synthase
 - ii) isocitrate dehydrogenase
 - iii) succinyl CoA synthetase
 - iv) fumarase
6. How many irreversible steps occurs in glycolysis
 - i. 2
 - ii) 4
 - iii) 3
 - iv) 5
7. The end product of glycolysis is
 - i. Pyruvate
 - ii) citrate
 - iii) acetyl CoA
 - iv) lactate
8. The important reducing power produced in HMP shunt pathway is
 - i. NADH
 - ii) NADPH
 - iii) FAD
 - iv) FADH₂
9. Pyruvate is converted to oxaloacetate by
 - i. pyruvate carboxylase
 - ii) pyruvate kinase
 - iii) PFK
 - iv) phosphoenol pyruvate carboxylase



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore – 35



DEPARTMENT OF BIOMEDICAL ENGINEERING

10. Lactate is converted to glucose in

- i. skeletal muscle ii) liver iii) kidney iv) lung

11. Insulin is secreted by

- i. liver ii) kidney iii) pancreas iv) thyroid

12. In carbohydrates, a special functional groups are present in the given following:

- i. Alcohol and Carboxyl groups ii) Aldehyde and Ketone groups iii) Hydroxyl groups and Hydrogen groups iv) Carboxyl groups and others

13. One of the following has reducing properties.....

- i. Glucuronic acid ii) Gluconic acid iii) Glucaric acid iv) Mucic acid

14. The end product of hydrolysis of “Starch” by amylase is

- i. Soluble starch ii) Glucose iii) Dextrins d) Maltose

15. Fructose and Glucose can be distinguished by

- i. Seliwanoff 's reagent ii) Benedict's reagent iii) Fehling's reagent iv) Barfoed's reagent