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SARDAR PATEL UNIVERSITY

B.SC. (semester-6) EXAMINATION

BOTANY-US06CBOT23 (PLANT BIOCHEMISTRY)

25- 6-2022, SATURDAY, TIME: 10AM TOI2PM.

Que-1 MCQ 1. Oxygen liberated during photosynthesis comes from

- a. Water b.PGA c.Chlorophyll d.Carbon dioxide
- 2. All photosynthetic green plants contain a. Chlorophyall a b. Chlorophyall b c. Chlorophyall c d. Chlorophyall d
- 3. First stable product of carbon assimilation is
 - a.Phosphoglycerate b.Starch c.Glucose d.Ribulose
- 4. Name the pathway for glucose synthesis by non-carbohydrate precursors?
 - a) Glycogenesis b) Glycolysis c) Gluconeogenesis d) Glycogenolysis
- 5. Name the type of the pathway which is involved in the synthesis of compounds?
- a) Anabolic pathways

b) Catabolic pathways

e) Amphibolic pathway

- d) Anapleurotic pathway
- 6. Which of the following cycle shows amphibolic pathway?
 - a) Glyoxylate b) Citric acid cycle c) Glycolysis d) Lipid metabolism
- 7. How many ATPs are formed in case of stearic acid by beta oxidation
 - a) 7
- b) 18
- c) 56
- d) 147
- (8) Which one of the following is a macromolecule?
- A. Fatty acid B. Sugar
- C. Nucleic acid
- D. Amino acid
- (9) Bacteria which, in association with legume roots, fix atmospheric nitrogen are called
- A. Azotobacter
- B. Rhizobium
- C. Psudomonas
- D. E.coli

- (10) The nature of an enzyme is..
- B. Protein and Nucleotide C. Vitamin D. Carbohydrate A. Lipid

(08)
energy.
als, oxygen and water.(True o
otosynthesis.(True or Flase)
(20)
nat of C3 leaf? otosynthesis. m? n?
(32)
c groups

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