

REPEATED QUESTIONS SEM-IV BIOCHEMISTRY

EASY QUESTIONS! UNIT-I

1. WRITE A ESSAY ON CATABOLISM OF GLYCOGENIC & KETOGENIC AMINO ACIDS.
2. WRITE A ESSAY ON METABOLISM OF METHIONINE & PHENYLALANINE
3. WRITE A SHORT NOTES ON UREACycle AND IT'S REGULATION.
4. INBORN ERRORS OF AROMATIC AMINO ACIDS
 - * PHENYLKETONURIA
 - * ALKAPTUNURIA
 - * ALBINISM.

SHORT QUESTIONS

1. TRANSAMINATION
 2. DEAMINATION
 3. DECARBOXYLATION
 4. BIOSYNTHESIS OF CREATINE
 5. WRITE A SHORT NOTE ON BRACHED CHAIN AMINO ACIDS.
- (c) ALL IN GASSY AS GENERAL REACTIONS OF AA METABOLISM

UNIT-II

EASY

1. WRITE A ESSAY ON GLYCOLYSIS & IT'S ENERGY YIELDS
2. WRITE A ESSAY ON PHOTOSYNTHESIS.
3. WRITE THE IMPORTANCE OF CITRIC ACID CYCLE & IT'S REGULATION.
4. WRITE A SHORT NOTES ON HMP SHUNT / PENTOSE PHOSPHATE PATHWAY.

SHORT QUESTIONS

1. ANAPLEROTIC REACTIONS
2. C₄ PATHWAY.
3. CAM PATHWAY
4. FATE OF PYRUVATE → ETHANOL, LACTATE
5. GLYCOGENOGENESIS
6. GLYCOGENOLYSIS.

UNIT - III

EASSY QUESTIONS

I DE NOVO SYNTHESIS OF FATTY ACIDS

2. WRITE A EASSY ON CHOLESTEROL BIOSYNTHESIS.
3. WRITE A EASSY ON β OXIDATION OF FATTY ACIDS EVEN (OR) ODD NUMBER OF FATTY ACIDS.

4. SHORT QUESTIONS

1. KETONEGENESIS
2. BIOSYNTHESIS OF LECITHINS
3. SHORT NOTES OF DEGRADATION OF TAG

4.

UNIT - IV

1. WRITE A EASSY ON PURINE BIOSYNTHESIS (OR) DE NOVO SYNTHESIS OF PURINES
2. WRITE THE BIOSYNTHESIS OF PYRIMIDINES AND ITS REGULATION.
3. WRITE A NOTES ON CATABOLISM OF PURINES
4. BIOSYNTHESIS OF DEOXYRIBONUCLEOTIDES, SHORT NOTES ON RNR [RIBONUCLEOTIDE REDUCTASE] AND THYMIDYLATE SYNTHASE.

SHORT NOTES

1. GOUT
2. LESCH-NYHAN SYNDROME
3. DEGRADATION OF HEME
4. CATABOLISM OF PYRIMIDINES.
5. SALVAGE PATHWAY.