

16M00A05

Madhya Pradesh Medical Science University

First MBBS Examination (Winter Session)

Biochemistry Paper I

Time: 3 Hours

Maximum Marks: 50

Note: (a) Attempt all questions in the same serial order.
(b) Draw well labeled diagram wherever necessary.

1. Draw Hexose Mono Phosphate Shunt and write its significance. (5)
2. Describe β -oxidation of fatty acids with energetics & related disorders. (5)
3. Write short notes on :- (3x10=30)
 - A. Degradation of Amino Acids
 - B. Isoenzymes with example
 - C. Metabolic role of vitamin A
 - D. Hypocalcaemia
 - E. Cytochrome A
 - F. Functions of Ribosome
 - G. Draw Cori Cycle
 - H. Atherosclerosis
 - I. Specialized product formed by Glycin
 - J. ATP Synthase
4. Write in brief:- (1x10=10)
 - A. 3D Factor
 - B. Tangier's Disease
 - C. Name of any 2 Therapeutic Enzymes
 - D. Name of Coenzymes for Pyruvate Dehydrogenase Complex
 - E. Competitive Inhibition
 - F. Hypoglycemia
 - G. Iron deficiency Anemia
 - H. Hormones involved in maintenance of Water & Electrolyte Balance
 - I. Name of two Sulphur containing Amino Acids
 - J. Name of Mucopolysaccherides