

16M00A06

Madhya Pradesh Medical Science University

First MBBS Examination (Winter Session)

Biochemistry Paper II

Time: 3 Hours

Maximum Marks: 50

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

1. Describe the process of protein synthesis in prokaryotes. How does it differ from protein synthesis in eukaryotes? (5)

2. Discuss creatinine clearance test and its significance in assessment of kidney function. Why creatinine clearance test is considered better than urea clearance test. (5)

3. Write short notes on :- (3x10=30)

- A. Clover leaf model of t-RNA
- B. Abnormal hemoglobin
- C. Gout
- D. Balanced diet
- E. Dehydration
- F. Role of free radicals in various human disease
- G. Electrophoresis
- H. Human herpes viruses (HHV)
- I. Glycosylated hemoglobin
- J. Types of porphyria

4. Write in brief: - (1x10=10)

- A. BMR
- B. Use of synthetic analogues of nucleotides
- C. Ribozyme
- D. Role of Tumor markers
- E. Principle of flame photometer
- F. Direct and Indirect bilirubins
- G. Lesch-Nyhan syndrome
- H. Normal range of protein
- I. Diagnostic importance of SGOT & SGPT
- J. Biomedical significance of SDA(Specific Dynamic Action)