



15M00A06

Madhya Pradesh Medical Science University

First MBBS (Main) Examination 2015

Biochemistry Paper 2

Time : 3 Hours

Maximum Marks: 50

- Note (a) Attempt all questions in the same serial order.
(b) Draw well labelled diagrams wherever necessary.

- Q1 Discuss the elongation steps of translation (protein synthesis). 5
- Q2 Enumerate the various tests of kidney function. Explain how Creatinine clearance is superior to urea clearance test. 5
- Q3 Write short notes on:
- (A) Genetic Code 3
 - (B) RNA splicing 3
 - (C) Gout 3
 - (D) Dehydration 3
 - (E) Specific Dynamic Action of food 3
 - (F) Metabolic acidosis 3
 - (G) Calculate the caloric requirement of painter 3
 - (H) Glucose Tolerance Test 3
 - (I) Catabolism of Pyrimidines 3
 - (J) Formation and fate of bilirubin 3
- Q4 Write in brief:
- (A) Purine ring and sources of its components 1
 - (B) Enumerate normal anion gap acidosis 1
 - (C) Enumerate steps of DNA replication 1
 - (D) Enumerate clinical features of Kwashiorkor 1
 - (E) Enumerate abnormal variants of hemoglobin 1
 - (F) Enumerate types of DNA repair 1
 - (G) Structure of immunoglobulin 1
 - (H) Enumerate various extracellular buffers 1
 - (I) Biological role of 2-3 BPG 1
 - (J) Enumerate different components of colorimeter 1

