

**Madhya Pradesh Medical Science University,  
Jabalpur  
MBBS First Professional Examination Aug-2019  
Subject- Biochemistry  
Paper-I**

Time: 3 Hours

Maximum Marks :50

**Instructions:**

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

**Q1. Long Answer questions – 10 MARKS**

- a. Absorption, transport and fate of iron in body 5
- b. Write sources of vitamin D and explain the role of vitamin D in health and disease 5

**Q2. Short Answer Questions – 30 MARKS**

- a. Amphibolic pathways of glucose metabolism 3
- b. Fatty acid synthase complex 3
- c. Mechanism for regulation of blood glucose 3

- d. Detoxification of aspirin 3
- e. GTT 3
- f. Iso-enzymes 3
- g. Adulteration of lipids 3
- h. Homocystinuria 3
- i. ATP synthase 3
- j. Ketosis 3

### **Q3. Very Short Answer Questions – 10 MARKS**

- a. Vitamin A deficiency disorders 1
- b. Enumerate essential amino acids 1
- c. Normal reference range of cholesterol 1
- d. Specialized product of amino acid metabolism 1
- e. Glycogen storage disorders 1
- f. Name four phospholipids 1
- g. Classify proteins 1
- h. HDL 1
- i. Cell membrane 1
- j. Epimers 1

\*\*\*

[www.FirstRanker.com](http://www.FirstRanker.com)