

**Madhya Pradesh Medical Science University (MPMSU)****1<sup>st</sup> Professional MBBS Examination****Paper Code: 18BM000010031****Winter 2018****Biochemistry Paper- I**

Time 3 Hours

Max. Marks: 50

1. All Questions are Compulsory
2. Draw diagrams whenever necessary
3. Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not to be valued.
4. Do not write anything on the blank portion of the question paper. If written anything such type of act will be considered as an attempt to resort to unfair means.

**Q1. Long Answer Question****5x2=10**

1. Describe TCA Cycle with their energetics
2. Describe oxidation of lipid and give details of any one example

**Q2. Short Answer Question****10x3=30**

- a. Describe functions and deficiency disorder of Vitamin-A
- b. Describe any one sulphur containing amino acid
- c. Describe secondary structure of protein
- d. Describe Calcium metabolism
- e. Xenobiotics
- f. Give detail on thyroid profile
- g. RFT
- h. Why Vitamin- D act as hormone
- i. Give detail on factor of enzyme activity



j. Describe fluid Mosaic model in detail it

**Q2. Very Short Answer Question**

**10x1=10**

- a. Mitochondria
- b. Function of Disaccharide
- c. Function of phosphorus in human being
- d. Glucose tolerance test
- e. Type of enzyme inhibitors
- f. Inhibitors and Glycolysis cycle
- g. Normal serum lipid profiles
- h. Structure of Hb
- i. PUFA
- j. Megaloblastic anemia

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