



PRELIMINARY EXAMINATION 1st YEAR BPh 2018-19
BIOCHEMISTRY

Total Duration: 2 hours**Date: 20/04/2019****Total Marks: 40****Instruction:**

1. Use blue/black ball point pen only.
2. Do not write anything on the blank portion of the question Paper. If written anything, such type of act will be considered an attempt to resort to unfair means.
3. All questions are compulsory.
4. The number to the right indicates full marks.
5. Draw diagrams wherever necessary.
6. Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7. Use a common answer book for all Section.

Q.1 Short answer questions (Any five out of six) :**(5x3=15)**

1. Enumerate factors affecting Basal Metabolic Rate (BMR).
2. Name lipid profile tests.
3. Write functions of calcium.
4. Write note on Kwashiorkor.
5. Explain transamination reaction in detail.
6. Draw diagram of Electron Transfer Chain (ETC) also showing the direction of flow of electrons.

Q.2 Short answer question. (Any Five out of six)**(5x5=25)**

1. Explain the Beta oxidation of Palmitic acid with its energetics.
2. Describe any three renal function tests.
3. Describe effect of starvation of different organs of body.
4. Differentiate between fat soluble & water soluble vitamins.
5. Write Functions of phospholipids.
6. Define enzymes? Classify enzymes in details with examples?

