

First B.P.TH. (2012) Examination, (Phase - III) Winter - 2021  
BIOCHEMISTRY

Total Duration : 2 Hours

Total Marks : 40

- Instructions :**
- 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 as 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 sections.

1. Short answer question (any five out of six) : [5 × 3 = 15]
  - a) Biochemical functions of Calcium and Phosphorus
  - b) Regulation of Heme Synthesis
  - c) Phenylketonuria
  - d) What is obesity, write two factors causing obesity.
  - e) Factors affecting BMR.
  - f) Nitrogen Balance
  
2. Short answer question (any five out of six) : [5 × 5 = 25]
  - a) Urea cycle & its significance.
  - b) Discuss factors affecting enzyme action.
  - c) Sources, RDA, biochemical functions and deficiency manifestation of Vit D.
  - d) Biochemical changes during starvation.
  - e) Diabetic profile
  - f) Classification & biochemical importance of lipids

