

**B.Sc. (Nursing Part-I) Examination**  
**November – 2008**  
**Paper – II (Section – B)**  
**Subject – Biochemistry**

**Time: Three Hours**

**Marks: 40**

**Question No. 4 is Compulsory**

**Attempt any Two form rest of the questions in each section.  
(Use Separate Answer-Book for Each Section)**

- Q.1 Describe the chemistry, synthesis, biochemical role and deficiency symptoms of vitamin D. Justify the statement that vitamin D act as a hormone. (12)
- Q.2 Write briefly (any two)- (12)
- Regulation of blood glucose.
  - Electron transport chain and its inhibitors.
  - Absorption and transport of iron.
- Q.3 Write short notes on the following (Any 2):- (12)
- Test for albumin and sugar in urine
  - Biologically active peptide
  - Buffer System
  - Phenyl ketonuria and alkaptonuria
  - Muco polysaccharides
- Q.4 Explain the following (any 2) (16)
- Michaleis Manton constant, mention significance of enzyme inhibitors.
  - Significance of enzyme inhibitors
  - $\beta$  (beta) oxidation of fatty acid
  - One-carbon metabolism