

0815E161

**F. Y. B.Sc. (Nursing) Examination**  
**Nutrition and Biochemistry**

(Max. Marks : 75)



Date : 06-08-2015, Thursday]

Time : 3 Hours]

- Instructions :** (1) Figure to right indicate full marks  
 (2) Use separate answers book for each section  
 (3) Draw diagram wherever necessary  
 (4) Write legibly.  
 (5) Answer to the point.

**SECTION I**

1. Define following (any three) :

- (a) Malnutrition
- (b) Balanced diet
- (c) Rickets
- (d) Food standards
- (e) Recommended dietary allowance

2. Discuss briefly any two of the following :

- (a) Over hydration & water intoxication
- (b) Fat soluble vitamins & it's deficiency diseases.
- (c) ICTS programme.

3. Write short notes (any three) :

- (a) Beri beri
- (b) Pellagra
- (c) Kwashiorkor
- (d) Basal metabolism.

4. Explain the following (any three) :

- (a) B.M.I. and factors affecting B.M.R.
- (b) Methods of cooking
- (c) List the fat soluble vitamins & their five sources
- (d) Discuss in detail the role of the nurse in the community for prevention of vitamin A deficiency.

**SECTION II**

5. Describe urea cycle. Name the pathological conditions under which blood urea is affected.

6. Write short notes on (any four) :

- (a) Ketosis
- (b) Mechanism of antibody production
- (c) Enzymes and co-enzymes
- (d) Beta oxidation of fatty acids
- (e) Transport mechanism.