

[LH 0415]

OCTOBER 2015

Sub. Code: 1304

**M.Sc., CLINICAL NUTRITION**  
**(from 2012-2014 onwards)**  
**FIRST YEAR**  
**PAPER IV – ADVANCE NUTRITION**

*Q.P. Code : 281304*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2 x 20 = 40)**

1. Water-soluble vitamins?
2. Components of total energy expenditure?

**II. Write notes on:**

**(10 x 6 = 60)**

1. Components of dietary fiber
2. Methods of determination of proteins?
3. Choice of cooking medium in the context of n-3 and n-6 Fatty acid ratio in Indian Diets?
4. Functions of water and compartments of body water?
5. Synthesis of Vitamin D from its provitamin and its deficiency
6. Absorption and factors affecting the absorption of Iron
7. Functions and sources of magnesium and phosphorus?
8. Probiotics and the health benefits of probiotics?
9. Phytoestrogens, its classes and give examples?
10. Protease inhibitors and Saponins?

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