

[LN 1018]

OCTOBER 2018

Sub. Code: 1304

**M.Sc. CLINICAL NUTRITION EXAMS  
FIRST YEAR  
PAPER IV – ADVANCE NUTRITION**

*Q.P. Code : 281304*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain Direct and indirect calorimetry.
2. Discuss on Physiological role and deficiency of iron.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Growth studies and nutrient balance studies.
2. Factorial estimation of Total Energy Expenditure.
3. Functions of carbohydrates.
4. Digestion and absorption of proteins.
5. Classification of fats and fatty acids.
6. Regulation of water balance.
7. Physiological role of Vitamin A.
8. Functions of Vitamin C.
9. Physiological role of calcium.
10. Definition and classification of polyphenols.

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