

[LE 0414]

APRIL 2014

Sub.Code :1304

**M.Sc CLINICAL NUTRITION EXAM
FIRST YEAR
PAPER IV – ADVANCED NUTRITION**

Q.P. Code: 281304

Time: Three hours

Maximum : 100 Marks

Answer All Questions

I Elaborate on:

(2x20 =40)

1. Explain in detail on probiotics, prebiotics, polyphenols and functional foods?
2. Discuss briefly on the classification, absorption, digestion and metabolic utilization of carbohydrates?

II. Write Short notes on:

(10 x 6 = 60)

1. What is thermic effect of food and factors affecting the thermic effect of food?
2. What are resistant starch and explain the factors influencing Resistant Starch content of food?
3. Summarize the digestion and absorption of proteins?
4. List the roles of phosphorus in the body? Discuss the relation of calcium and phosphorus.
5. Describe the similarities and differences in the absorption of iron and zinc?
6. Explain the functions of vitamin D? What are the chief symptoms of vitamin D deficiency?
7. What are the risk factors associated and functions with thiamin and riboflavin?
8. How do the four lipoproteins differ in function from another in the body?
9. Explain the importance of unsaturated fatty acids in our diets?
10. Discuss on water balance and water regulation in the body?
