

2019

B.Sc.

1st Semester Examination
NUTRITION (Honours)

Paper - C 2-T

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer any *five* questions of the following :

5×2=10

- (a) Why is sucrose known as non-reducing sugar ?
- (b) Write the components of phospholipid.
- (c) Write the difference of glycaemic index of boiled and unboiled starch.
- (d) What do you mean by natural & sweetners ?
- (e) What do you mean by 'GM-Food' ?

[Turn Over]

- (f) Write the role of zinc on metabolic activity.
- (g) Write the names of any two major vitamins present in egg yolk.
- (h) What do you mean by food behaviour ?

2. Answer any *four* questions : 4 × 5 = 20

- (a) (i) Name the chemical bonds present in starch.
(ii) What is resistance starch ? Write any two examples of resistance starch. 3+(1+1)
- (b) (i) Write the difference between starch and glycogen.
(ii) State the features of peptide linkages which are cleaved by pepsin and trypsin.
2+(1½+1½)
- (c) (i) How does bile salt help fat digestion ?
2+(1½+1½)
(ii) Describe fat absorption in brief from our G. I. tract. 2+3
- (d) (i) Compare the nutritional value of red meat, small fish and egg.
(ii) Write the nutritional aspect of legumes.
3+2

- (e) (i) Describe the nutritional aspect of tea.
- (ii) What do you mean by spices and condiments ? 3+2
- (f) (i) Write the features of fast food.
- (ii) 'Fast foods are unhealthy'—Justify the statement. 2+3

3. Answer any *one* question : 1×10

- (a) (i) Classify dietary fibres.
- (ii) State the nutritional significance of dietary fibres.
- (iii) Write the antioxidative roles of vitamin E. 3+3+4
- (b) (i) State the nutritional aspects of vegetables.
- (ii) Describe the functions of Iodine.
- (iii) Write the functional role of sugars in food. 3+4+3
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