

2017

M.Sc.

3rd Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-302

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any three from the rest.

1. Answer any ten questions of the following: 1×10
- (a) What do you mean by autoimmune diabetes?
 - (b) What is mitochondrial diabetes?
 - (c) What is C-Peptide?
 - (d) Define arteriosclerosis.

(Turn Over)

- (e) Define food style.
 - (f) Write the name of the phases of food allergy.
 - (g) What is sarcoma ?
 - (h) Define IDA.
 - (i) What do you mean by spastic constipation ?
 - (j) Write normal levels of LDL-C & HOL-C in blood of adult.
 - (k) What do you mean by long term insulin ?
 - (l) What is aplastic anaemia ?
 - (m) What is foam cell ?
 - (n) Write the normal level of HbA_{1C} in adult male.
 - (o) Name the immunoglobulin that linked with food allergy ?
2. (a) Why plasma glucose is not considered as reliable sensor for the diagnosis of diabetes ?

- (b) Write the principle of time schedule of insulin injection and major meal intake of diabetic patient.
- (c) State the selection criteria of carbohydrates for the formulation of therapeutic diet of diabetic patient.

3+2+5

3. (a) Write the different steps of atherosclerosis.

(b) State the major guidelines for the formulation of therapeutic diet for the management of Atherosclerosis.

(c) Write the role of nutraceuticals for the management of atherosclerosis.

2+5+3

4. (a) What are the different stages of IDA ?

(b) "Germinated / fermented cereals are preferred for the inclusion in the daily menu of anaemic patient that intact cereals"—Justify the statement.

(c) Write the major steps adopted for the dietary management of IDA covering macro and micronutrients.

3+2+5

5. (a) Write the pathophysiology of cancer.
- (b) Write the different phases of cancer.
- (c) How dietary antioxidants prevent cancer? 2+3+5
6. (a) Write the difference between food intolerance and food allergy.
- (b) What do you mean by localized and generalized systematic food reaction? Give example of each.
- (c) Write the process of SBPCFC test for allergy detection. 2+3+5
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