

M.Sc. 3rd Semester Examination, 2019

CLINICAL NUTRITION AND DIETETICS

PAPER – CND-302

Full Marks ; 40

Time : 2 hours

Answer all questions

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

1. Answer any *four* questions : 2 × 4
- (a) Why is insulin level in plasma not reliable sensor for assessment of β -cell status ?
- (b) "LDL-C is not the culprit for onset of atherosclerosis but OX-LDL-C is that agent"—Clarify the statement.

- (c) What do you mean by Dry and Wet hypertension ?
- (d) Write any four pre conditions for accurate assessment of FBG level.
- (e) What are the different types of nutritional anaemia ?
- (f) What is meant by adenoma and carcinoma ?
- (g) Why enteral nutrition is preferred over parenteral nutrition during nutritional management ?
- (h) What is VIA screening ?

2. Answer any *four* of the following : 4 × 4

- (a) How do dietary fibers interfere the hyperglycaemia ?
- (b) State the role of lycopene in the prevention of atherosclerosis.
- (c) Write the role of kidney of hypertension.

- (d) Discuss the impact of catechin on the management of diabetes.
- (e) "Nutritional factor may increase the risk of Cancer." – Justify the statement.
- (f) What are the causes of iron deficiency anemia?
- (g) How do IARC classify the cancer causing agents?
- (h) "Constipation is associated with unhealthy food style and life style." – Discuss.

3. Answer any *two* of the following : 8 × 2

- (a) Discuss the nature of carbohydrate informulation of meal of diabetic patient. Write the guide line of theraputic diet formulation of hypertensive patient from the view points table salt and lipid. 4 + (2 + 2)
- (b) Discuss the pathophysiology, and dietary management of nutritional anaemia. 4 + 4

- (c) Discuss the mechanism of food induced hyperdensity reaction. Name few food sources with its chemical components responsible for inducing food allergy. 5 + 3
- (d) What is basic difference between atherosclerosis and arteriosclerosis? Write the steps of atherosclerosis. How does nutrients can prevent atherosclerosis? 2 + 4 + 2
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