

2017

M.Sc.

2nd Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-204

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 Question No 1 and any three of the following.

1. Answer any *five* of the following : 5×2
- (a) Define nutraceuticals.
 - (b) What do you mean by bio-medical concept of health ?

(Turn Over)

- (c) What is BMI ?
- (d) What are nutrients ?
- (e) What is nutrigenomics ?
- (f) Write any two source of Vitamin C.
- (g) What do you mean by malnutrition ?
- (h) Write name of any two dietary fiber.
2. (a) Write the names of any two nutraceuticals present in tea.
- (b) What is bio-medical concept of ageing ?
- (c) State in brief the contribution of nutraceuticals present in tea for the delaying process of ageing.
- 2+3+5
3. (a) What do you mean by undesirable foods ?
- (b) Write the names of health domains affected by "Ready to use" food.
- (c) Describe in brief any one of such domains which is affected by that undesirable food.

2+3+5

4. (a) Write the name of basic five food groups.
- (b) Why too much dietary fiber intake is not always good for health ?
- (c) What do you mean by basal metabolic rate (BMR) ?
- (d) Write the role of dietary fiber in human health.
- 2+2+2+4

5. (a) What is EPOC ?
- (b) Define homeostasis of the body with example.
- (c) What is oxidative stress and briefly discuss antioxidant system ?
- 3+3+4

6. (a) What is meant fitness ?
- (b) What are the characteristic features of red muscle and white muscle ?
- (c) Briefly discuss the cause of food contamination and spoilage.
- 3+3+4