

2013

M.Sc.

3rd Semester Examination

NUTRITION AND DIETETICS

PAPER—NUD-303

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.

Module — I

(Therapeutic Nutrition)

(Marks : 20)

1. Answer any *five* questions of the following: 1×5
- (a) Mention the causes of gout.
 - (b) What is the unit of BMI?
 - (c) Give an example of PUFA.
 - (d) Name two genes responsible for obesity.
 - (e) What is osteoarthritis?

(Turn Over)

- (f) Name two 'functional foods'.
 - (g) Write the full form of VLDL.
 - (h) What is the danger in eating trans fats?
2. (a) Describe the immunological features of Rheumatoid Arthritis.
- (b) Write the dietary management of the above disease in detail. 4+4

Or

- (a) Briefly describe the clinical features of Diabetes mellitus.
- (b) How hypertension can be treated by nutritional therapy? 4+4
3. (a) Differentiate between soluble and insoluble fibres.
- (b) Briefly describe the pathophysiology and dietary management for gout. 2+(2+3)

Or

- (a) Explain the therapeutic effects of dietary fibre.
- (b) Explain the assessment and dietary management of obesity. 3+(2+2)

Module — II
(Therapeutic Nutrition)

(Marks : 20)

4. Answer any *five* questions of the following: 1×5
- (a) What is food allergy?
 - (b) What do you mean by inborn error of metabolism?
 - (c) What is the impact of dietary habits on the development of cancer?
 - (d) Mention two clinical signs of PEM.
 - (e) What is 'Pernicious anaemia'?
 - (f) What is galactosemia?
 - (g) What is Ketogenic diet?
 - (h) Write the names of any two nutritional problems in cancer therapy.
5. (a) What is phenylketonuria and what are the factors to be considered in planning the diet for it?
- (b) Name the disorders related to Vitamin A deficiency. (2+3)+3

Or

- (a) Explain the nutritional management of galactosemia.
- (b) What are different types of food allergens?
- (c) Briefly describe the nutritional management of food related hypersensitivity. 3+2+3

6. (a) Explain the consequences of PEM.
- (b) What is megaloblastic anaemia? Explain the causes and dietary management of iron deficiency anaemia. 2+(1+2+2)

Or

- (a) Mention the main causes of cancer.
- (b) Describe the role of food in prevention of cancer. 4+3
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