

M.Sc. 3rd Semester Examination, 2015

NUTRITION AND DIETETICS

PAPER –NUD - 303(Module - I & II)

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

(Therapeutic Nutrition)

MODULE— I

[Marks : 20]

1. Answer any five questions of the following : 1 × 5

(a) Give full forms of NSAID and OGTT.

(b) Why is hypertension considered as an 'iceberg' disease ?

(Turn Over)

- (c) What is pseudogout ?
 - (d) Mention the BMI range for obese person.
 - (e) What do you understand by brown fat ?
 - (f) What is Leschike's syndrome ?
 - (g) Find the Ponderal Index of a man of 1.6 metre height and 1.6 kg weight.
 - (h) What do you mean by diabetes neuropathy ?
2. (a) Explain the epidemiological determinants of obesity.
- (b) What is hyperlipidemia ?
- (c) Make a list of signs and symptoms of under-nutrition. 3 + 2 + 3

Or

- (a) What are type I and Type II diabetes mellitus ?

(3)

- (b) What is the significance of four basic elements of diabetes management ?
- (c) Plan a daily menu for a patient suffering from Rheumatoid arthritis. 2 + 3 + 3
3. (a) With the help of a schematic diagram show the web of causation for myocardial infarction.
- (b) How the burden of CHD can be estimated in a population ?
- (c) Mention the specific dietary interventions required to control CHD. 2 + 2 + 3

Or

- (a) How will you distinguish between benign hypertension and malignant hypertension ?
- (b) What is Gout ?
- (c) Write down the metabolic defects in gouty patients. 3 + 2 + 2

(4)

MODULE— II

[Marks : 20]

4. Answer any *five* questions of the following : 1 × 5
- (a) Give full forms of GALT and IRMA.
 - (b) What is secondary malnutrition ?
 - (c) What is meant by anaphylaxis ?
 - (d) Which nutrient deficiency leads to Brown-Kelly-Paterson Syndrome ?
 - (e) What is galactosemia ?
 - (f) What is meant by hypochromic anemia ?
 - (g) What is Addison's anaemia ?
 - (h) When NIMFES approach is adopted ?
5. (a) With the help of a diagram explain the multi-step stairway to cancer.

(5)

- (b) Write down dietary guidelines for reducing risk of cancer.
- (c) Why is aspartame as a non-nutrient sweetener harmful to a PKU patient? 3 + 3 + 2

Or

- (a) Mention the different diagnostic tests used to detect food allergy.
- (b) Explain the concept of graduated exclusion diet in treatment of food allergy.
- (c) What will be the side effect if NDGTA is used as a food additive? 3 + 3 + 2
6. (a) State the pathological changes observed in blood in an iron-deficiency anaemia patient.
- (b) What are the clinical manifestations of megaloblastic anaemia?
- (c) Write on the factors that influence the frequency of anaemia in early life. 3 + 2 + 2

(6)

Or

- (a) Write down the different clinical stages of Xerophthalmia.
- (b) What are the different extraocular manifestations of VAD ?
- (c) Briefly discuss the ecology of malnutrition.

3 + 2 + 2
