

M.Sc.

2015

4th Semester Examination

NUTRITION & DIETETICS

PAPER—NUD-403

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.

Special Paper

(Medical Nutrition Therapy)

Module—I

1. Answer any *five* questions of the following : 1×5
 - (a) What do you mean by registered dietitians?
 - (b) Write the full form of BANT and CNHC.

(Turn Over)

- (c) What are the roles of clinical dietitians?
 - (d) What do you mean by transient ischemic attack?
 - (e) What is tonic-clonic seizure?
 - (f) What do you mean by Paresthesia?
 - (g) Write the full form of GCS and MODS.
 - (h) What do you mean by gut-associated lymphoid tissue?
2. (a) What are the hormonal and cell-mediated responses in connection to stress?
- (b) Briefly describe the relationship between starvation and stress.
- (c) Write on the dietary management during metabolic stress. (1½+1½)+2+3

Or

- (a) What do you mean by Alzheimer's disease?
 - (b) Write the clinical feature of Alzheimer's disease.
 - (c) Briefly describe the Nutrition therapy of Alzheimer's disease. 2+3+3
3. (a) Briefly describe different types of nutritional support therapy.

- (b) Write on the role of consultant dietitian in our community.
- (c) What are the "code of ethics" of a dietitian ?
2+2+3

Or

- (a) What is Myasthenia gravis ?
- (b) Discuss the pathophysiology of Myasthenia gravis.
- (c) Describe the medical Nutrition therapy of Myasthenia gravis.
2+2+3

Module—II

4. Answer any *five* questions of the following : 1×5
- (a) What do you mean by antineoplastic agents ?
- (b) What is autologous marrow transplantation ?
- (c) What do you mean by cancer cachexia ?
- (d) Write the full form of ESRD and RTA.
- (e) What is nephrotic syndrome ?
- (f) What is distal intestinal obstruction syndrome ?
- (g) What is asthma ?
- (h) What is COPD ?

5. (a) What do you mean by cysticfibrosis of lungs ?
 (b) Write the Respiratory and Gastrointestinal symptoms of cysticfibrosis of lungs.
 (c) Briefly describe the Dietary Management of cysticfibrosis of lungs. 2+(1+1)+4

Or

- (a) Explain the modern view of cancer from oncogene and tumor supressor gene interaction.
 (b) How free radicals can able to induce cancer ?
 (c) How the ageing is associated the cancer induction ?
 (d) How dietary antioxidant prevent cancer ?

$(1\frac{1}{2}+1\frac{1}{2})+2+2+1$

6. (a) Write the different types of Stone formation in nephrolithiasis.
 (b) What are the nephritic and nephrotic syndrome ?
 (c) Write the dietary management of Nephrotic syndrome. 2+(1+1)+3

Or

- (a) Briefly describe the feeding strategies of BPD.
 (b) State the clinical features of asthma.
 (c) Write the Medical Nutrition therapy of asthma.

2+2+3

Special Paper**(Community Nutrition & Health Care)****Module—I**

1. Answer any *five* questions from the following : 1×5

- (a) How would you define policy ?
- (b) Write the full form of MNREGA.
- (c) What does white revolution refer to ?
- (d) Why is strategy important in development planning ?
- (e) What is meant by golden rice ?
- (f) What is bio-fortification ?
- (g) What is the objective of social intervention ?
- (h) Define covert behaviour.

2. (a) State briefly the basic principles of nutrition education.

(b) What are the important methods of effective nutrition education ?

(c) How do food fallacies aggravate malnutrition ?
Illustrate with examples. 3+2+3

Or

(a) Write on the main objectives for food fortification.

- (b) Give three examples of GM food.
- (c) Write on the reasons for not accepting GM food for use in India. 3+3+2
3. (a) Write on the various 'Social factors' that affect the dietary pattern of an average Indian family.
- (b) "Economic factor plays a pivotal role in food choice" — Justify. 4+3

Or

- (a) Make a list of major nutritional problems in public health.
- (b) Elaborate KAP approach to improvement of nutritional status and health.
- (c) How are food safety and nutritional security related? 2+3+2

Module—II

4. Answer any *five* questions of the following : 1×5
- (a) What are the benefits of PDS?
- (b) What is meant by hunger index?
- (c) Differentiate between growth and development.
- (d) What is meant by process optimisation?

- (e) How do monitoring and surveillance differ?
 - (f) What refers to Markov process?
 - (g) What is Marginal Cost?
 - (h) What is meant by public health package?
5. (a) Briefly discuss the scope of operational research.
- (b) What do you know about different phases of operational research?
 - (c) What is the implication of time series analysis?

3+3+2

Or

- (a) Write a programme design for implementing a short term nutritional programme to a flood affected area.
 - (b) What is cost effective analysis?
6. (a) Discuss with the help of a diagram the concept of Planning cycle.
- (b) Identify the issues critical to implementation of a program.
 - (c) What are the different components of evaluation?

5+3
3+2+2*Or*

- (a) Write on the two main type of malnutrition in India and the causes for them.
- (b) Estimate economic cost of hunger and malnutrition in India. 4+3
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