

M.Sc.

2015

4th Semester Examination

NUTRITION & DIETETICS

PAPER—NUD-404

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 is Menkeys Kinky hair syndrome ?
 - (b) What is Crohn's disease ?
 - (c) Name the diatetic agent and its role in peristalsis.

(Turn Over)

- (d) Mention some important features of Ulcerative Colitis.
 - (e) What is nutritional blindness?
 - (f) What do you mean by lactose intolerance?
 - (g) What do you mean by P-P factor?
 - (h) Write the name of causative organism for amoebiasis.
- 2. (a) Describe how life-style is related to development of atherosclerosis.
- (b) How the life style intervention helps in the management of non-communicable diseases?
- 4+4

Or

Write the clinical features of a subject suffering from megaloblastic anaemia including its dietary management.

4+4

3. (a) How will you manage a patient suffering from chronic gastritis?
- (b) What is pellegra? What are the common symptoms of pellegra?
- (c) How can you avoid pellegra? 3+(1+1 $\frac{1}{2}$)+1 $\frac{1}{2}$

Or

- (a) What is inflammatory bowel disease (IBD) ?
 - (b) Discuss the causes and symptoms of IBD.
 - (c) What do you know about the management of IBD ?
- 2+2+3

Module—II

4. Answer any *five* questions of the following : 1×5
- (a) What is Kyphosis ?
 - (b) What do you mean by gene imprintation by nutrient ?
 - (c) Define Chronic disease with example.
 - (d) What is gene-diet-disease interaction ?
 - (e) What is Lipistase ?
 - (f) What do you mean by transgenic food ?
 - (g) Write the name of two phyto-nutrients that can alter the regulation of gene.
 - (h) Why osteoporosis is common in old age ?
5. (a) What are the causative factors of dental caries ? What steps are to be taken to prevent dental caries ?
- (b) Write briefly about the maintenance of oral hygiene.
- (2+4)+2

Or

- (a) Explain the terms of epigenetics and proteomics.
- (b) "Genes and foods are inter-related" — Justify the statement.
- (c) "SIRT1 gene is regulated by nutrient" — Justify the statement.
- (d) What is genotype ? 2+2 $\frac{1}{2}$ +2 $\frac{1}{2}$ 1
6. (a) Write the clinical features of gingivitis.
- (b) What are the periodontal diseases ?
- (c) Which dietary modifications are required to get rid of osteoporosis ? 2+2+3

Or

- (a) What are the emergence of nutrigenomics ?
- (b) What are the five point views of nutrigenomics ?
- (c) How does nutrient control our gene ?
- (d) Differentiate between genetics and genomics.

1+2+3+1

Special Paper
(Community Nutrition & Health Care)

Module—I

1. Answer any *five* questions of the following : 1×5
- (a) What is Janani Suraksha Yojana ?
 - (b) Write down the full form of USDHHS and FSNC.
 - (c) What is PDS ?
 - (d) What are the roles of community nutritionist ?
 - (e) Write two importances of nutrition education.
 - (f) Write down the full form of CDR and CES.
 - (g) What do you understand by community based nutrition and family based nutrition ?
 - (h) What is summer food service programme ?
2. (a) How will you develop nutrition education in rural sectors ?
- (b) How nutrition education is helpful for pregnant mother ?
- (c) State the significance of maternal diet for fetal brain development. 3+3+2

Or

- (a) Write down the strategies for improvement of community nutrition.
- (b) Write down the roles and responsibilities of ASHA for community health promotion.
- (c) Briefly describe the merits and demerits of woman to woman strategy. 3+3+(1+1)
3. (a) What is meant by monitoring and evaluation of the nutritional programme ?
- (b) What are the objectives of evaluating nutritional programme ?
- (c) What are the objectives of Millenium Development goals ? 3+2+2

Or

- (a) Briefly describe different attempted strategies to reduce the risk of chronic diseases.
- (b) What do you mean by Supplementary Nutrition Programme ? Write the importances of Supplementary Nutrition Programme.
- (c) Discuss the role of breakfast in school performance. 2+(1+2)+2

Module—II

4. Answer any *five* questions of the following : 1×5
- (a) What do you mean by health based intervention programme ?
 - (b) Write down the relationship between Health and Nutrition.
 - (c) Write down the full forms of CSFP and USDA.
 - (d) What is fortification ?
 - (e) Mention two major child nutrition programme in India.
 - (f) What is Food Stamp Programme ?
 - (g) Write the full form of HEI and DRV.
 - (h) What is Dietary reference intake ?
5. (a) What do you mean by reservoir in connection of the disease transmission ?
- (b) Write the different types of agents for the transmission of infectious diseases.
 - (c) Write down the major domains of food safety in family for the prevention of disease. 2+3+3

Or

- (a) What do you mean by food spoilage ?
- (b) Write down the major causes of food spoilage.
- (c) Write the factors or determinants influencing food spoilage. 2+3+3
6. (a) Write down the names of two public health related issues.
- (b) Name the factors those affect food selection.
- (c) Write down the full form of FANRP and SNAP. 2+4+($\frac{1}{2}$ + $\frac{1}{2}$)

Or

- (a) What is food budgeting ? How does food budgeting play a significant role in our community ?
- (b) Give the importance of food selection for geriatric period with example. (1+3)+3
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