

M.Sc.

2016

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 nutritional anemia ?
 - (b) What is hemochromatosis ?
 - (c) Write the name of any two nutrition related problems found in old age.

(Turn Over)

- (d) What do you mean by Sideroblastic anemia?
 - (e) Write the name of any two disease due to vitamin deficiency.
 - (f) What type of foods produce CVD?
 - (g) Why dietary fiber is essential for old age?
 - (h) What is BOAA?
2. (a) What do you mean by IBS?
- (b) Write the clinical features of IBS.
 - (c) Discuss the Preventive measures for amoebic colitis and mention its Causative organism. 2+2(2+2)

Or

- (a) What is thalassemia?
 - (b) Mention the types of thalassemia?
 - (c) Discuss the dietary management of thalassemia. 2+2+4
3. (a) What do you mean by 'life style'?
- (b) Discuss how life style could be modified in Diabetes mellitus. 2+5

Or

- (a) Discuss how Gastric ulcer differ from Duodenal ulcer.
(b) What you will suggest to these patients as a nutritionist ?

4+3

Module—II

4. Answer any five questions of the following : 5×1
- (a) What do you mean by 'Osteopenia ?'
(b) Write the name of causative organisms of dental caries.
(c) Why Postmenopausal women are prone to osteoporosis ?
(d) What is gingivitis ?
(e) What do you mean by 'cariostatic food stuffs ?'
(f) Differenceate between genetics & genomics.
(g) What is epigenetics ?
(h) Write the different functional parts of teeth.
5. (a) Why osteoporosis in common in old age ?
(b) Discuss in brief the dietary modifications to maintain normal physical status in old age. 2+6

Or

- (a) What are the major components of a gene ?
- (b) By citing an example describe how nutrients can modulate the gene expression. 3+5
6. (a) What do you mean by Periodontal diseases ?
- (b) Discuss the different types of periodontal diseases with clinical manifestations. 2+5

Or

- (a) "DNA modulate lipogenesis through the regulation of fatty acid synthesis"— Explain the statement from the view point of nutrient gene interaction.
- (b) "Folic acid is one of the important dietary component for modulation of gene expression"— Justify the statement from the angle of health care management of dietotherapy. 4+3

Special Paper
(Community Nutrition & Health Care)

Module—I

1. Answer any *five* questions of the following : 5×1
- (a) Write the full form of KAP.
 - (b) What do you mean by WIC programme ?
 - (c) What is supplementary nutrition programme ?
 - (d) Define SNAP-ED connection.
 - (e) What are the objectives of Balvadi Nutrition Programme (BNP) ?
 - (f) What is food assistance ?
 - (g) What do you understand by Focussed group discussion (FGD) ?
 - (h) what do you mean by Key person of Nutrition Education Programme ?
2. (a) "Nutrition Education Programme is designated as social vaccination programme"—Justify the statement with proper diagrammatic presentation.
- (b) Write the advantages of Nutrition Education Programme through electronic media. 6+2

Or

(a) Discuss the objectives beneficiaries and activities of National Nutritional Anemia Prophylaxis Programme (NNAPP).

(b) Mention the functions of 'Day Care Centres' ?
2+1+3+

3. (a) "In agricultural productivity is one of the important factors of community nutrition upgradation"— Justify the statement mentioning the governmental strategy.

(b) What are the specific determinations of food behaviour in a community ?
3+4

Or

(a) How does nutrition education improve health and nutritional status of community by the implementation of KAP strategy ?

Module—II

4. Answer any *five* questions of the following : 5×1
- (a) What is food sanitation ?
 - (b) Write the full form of SPS and SSOP.
 - (c) What is food budgeting ?
 - (d) Mention any two factors that affect food selection.
 - (e) Write the types of malnutrition.
 - (f) Write the function of FSIS.
 - (g) Mention food selection criteria of geriatric person.
 - (h) What are vector-borne diseases ?

5. (a) Discuss the difference between shallow well and deep well.
- (b) Discuss about the sanitation in public private eating places. 3+5

Or

- (a) What do you know about the preventive medicine.
- (b) Write the role of India Government about the public health awareness within the health sector. 2+6

6. (a) Mention the importance of food budgeting in a community nutrition programme.
- (b) What is your suggestion in connection to minimize the food budgeting 4+3

Or

- (a) State the different modes of disease transmission.
- (b) How can personal hygiene help in breaking the disease transmission cycle. 3+4
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