

M.Sc.

2013

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) Write the full forms of MODs and SIRs.
 - (b) Write any two symptoms of Parkinson's disease.
 - (c) Define sepsis.
 - (d) Define auto-immuno disease.
 - (e) What do you mean by metabolic stress?

(Turn Over)

- (f) What do you mean by grandmal epilepsy ?
 - (g) Define Trauma.
 - (h) Write the names of the phases of sepsis.
2. (a) "Medical nutrition therapy is a team work"—Justify the statement.
- (b) What do you mean by professional dietetion ?
 - (c) Write the ethics of professional dietetion. 4+2+2

Or

- (a) Why hyperglycemia is noted due to MODs at the first phase ?
 - (b) State in brief about dietary management of MODs.
 - (c) Dietotherapy is effective to control the metabolic stress induced thromboembolic stress".—Justify the statement.
- 2+3+3
3. (a) What is the causative factor for 'Myasthenia Gravis' ?
- (b) Write the symptoms of 'Myasthenia Gravis'.
 - (c) Describe the brief about the dietary management of 'Myasthenia Gravis'.

2+2+3

Or

- (a) State the etiology of 'Alzheimer's disease'.
- (b) Write the nutritional management of 'Alzheimer's disease'.
- (c) Describe in brief about the dietary management of epilepsy.

2+3+2

Module—II

4. Answer any *five* questions of the following : 1×5
- (a) What do you mean by chronic renal failure?
 - (b) Write the full form of CDK.
 - (c) Write the name of one antiapoptotic and one proapoptotic gene.
 - (d) Write any two symptoms of BPD.
 - (e) What do you mean by glomerulo nephritis?
 - (f) What do you mean by cysticfibrosis of lungs?
 - (g) Define G₀ suphase of cell cycle.
 - (h) Define Sarcoma.

5. (a) How ageing is associated with cancer induction?
- (b) State the role of energy and protein for therapeutic diet formulation in connection with cancer prevention.
- (c) Describe in brief the role of antioxidants for the prevention of cancer. 2+4+2

Or

- (a) "Anaemia is generally associated with chronic renal failure"—Justify the statement.
- (b) Write the symptoms of chronic renal failure (CRF).
- (c) State the dietary management of CRF.

2+2+4

6. (a) Write the abnormalities noted in respiratory system in asthmatic patient.
- (b) State the causative factors of asthma.
 - (c) Describe the dietary management of asthma.

2+2+3

Or

- (a) Write the risk factors of glomerulonephritis.
- (b) Describe the dietary management of glomerulonephritis.
- (c) Why osteodeformities are noted in the patient suffering from chronic renal failure.

2+3+2

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

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

- (a) Write the full form of AWW.
- (b) Write the full form of KAP.
- (c) What is the actual composition of Vitamin A in its prophylaxis programme ?
- (d) What is the role of CARE in India ?
- (e) What do you mean by dietary pattern ?
- (f) What do you mean by bio-fortification of food.
- (g) Write one example of food based intervention for community health upgradation.
- (h) What do you mean by food behaviour ?

2. (a) What are the importance of 'interactive nutrition education' in our community ?

(b) Discuss briefly about prophylaxis programme of nutritional anaemia.

(c) What do you mean by 'single dish meal' ?

3+3+2

Or

- (a) Write the objectives of food fortification for upgradation of community nutrition.
- (b) "Disease prevention can be performed in better way by food fortification"—Justify the statement.
- (c) Write the differences between chemical food fortification and bio-food fortification.

3+3+2

3. (a) State the recommendation of WHO to achieve 'dietary goals'.
- (b) Describe briefly the implications of socio-cultural aspects of Indian food on community nutrition and health.

4+3

Or

- (a) State in brief the impact of nutrition education on the changes of food behaviour.
- (b) "Food behaviour can able to prevent the severity of the disease." — Justify the statement citing any example which is common in our society.

4+3

Module—II

4. Answer any five questions of the following : 1×5
- (a) What is the full form of HALE ?
 - (b) What is Sullivan's index ?
 - (c) What is meant for 'quality of life' according to WHO ?
 - (d) Write in full form of HPI.
 - (e) Write the full form of PQLI.
 - (f) Mention the type of indicators of poverty used in developing and developed country.
 - (g) What is PERT ?
 - (h) What do you mean by operational research ?
5. (a) State active and sentinel surveillance with example.
- (b) What types of techniques are followed during the surveillance of milk quality at pre and post pasteurization session ?

3+5

Or

- (a) What is cost benefit analysis ?
- (b) Discuss the steps of cost benefit analysis.
- (c) Mention the criteria of cost effective analysis.

2+4+2

6. (a) Financial condition is not always helpful to judge the PQLI of a community'—Justify the statement.
- (b) What do you mean by 'Human Development Index' ?
- (c) In India, adult literacy index is 10.70, combined gross enrolment index is 0.61, GDP index is 0.619 and life expectancy index is 0.7. Calculate HDI for India and interpret your result.

2+1+(3+1)

Or

- (a) Discuss about the national policy of our country for the promotion of good health economics.
- (b) 'Promotion of women's literacy in India can resist MMR and IMR'—Justify the statement.

4+3