

M.Sc. 4th Semester Examination, 2012

NUTRITION AND DIETETICS

PAPER—NUD-403

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

(Special Paper : Community Nutrition and Health Care)

MODULE – I

- 1. Answer any five questions of the following : 1 × 5**
- (a) Write the full form of NRHM and NUHM.**
- (b) What do you mean by food style ?**

- (c) What do you mean by dietary pattern ?
 - (d) What is nutrition education ?
 - (e) Give an example of double fortification of food.
 - (f) Write the names of any two strategy for improving nutritional status.
 - (g) Write the full form of KAP.
 - (h) What do you mean by public policy ?
2. (a) Write the five pillars of NRHM.
- (b) State the vision and goal of NRHM.
- (c) Write the different components of NRHM and their plan of action.

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

Or

- (a) State the strategies adopted for the production of GM food in connection with undernutrition management in food based intervention programme.

- (b) Write the advantages and disadvantages of genetically improved foods to combat community under nutrition.
- (c) State any three examples of GM food to manage community undernutrition. 2 + 3 + 3
3. (a) Describe any four major public policies which are running at present in our state for nutrition upgradation.
- (b) How you link dietary pattern with health status ? Explain with any two examples. 4 + 3

Or

- (a) What do you mean by behaviour ?
- (b) Explain the linkage between behavioural change and empowerment of community nutrition.
- (c) How nutrition education can change behaviour in connection with food selection. 2 + 3 + 2

MODULE – II

4. Answer any *five* questions of the following : 1 × 5
- (a) Write the full form of SBHI and CBHI.

- (b) Write the full form of DALY and QALY.
- (c) What do you mean by ICER ?
- (d) Write any two criteria of good indicator used in monitoring of nutritional programme.
- (e) What do you mean by operation research ?
- (f) What do you mean by cost efficiency ?
- (g) Enumerate two indicators of nutritional security.
- (h) Write the names of any two programmes launched by the govt. of India to challenge under nutrition.

5. (a) What is surveillance ?

(b) What do you mean by passive and active surveillance ?

(c) Write the flowchart in connection with surveillance in National level.

(d) Write the differences between surveillances and monitoring.

1 + 2 + 3 + 2

Or

- (a) Explain the steps adopted for the implementation of nutrition education programme.
- (b) Write the criteria for proper evaluation of the programme.
- (c) State the features of good monitors for nutrition programme monitoring. 3 + 2 + 3

6. (a) How health economics can influence National development ?
- (b) Describe in brief the policy for the conduction of operation research in community with special reference to protein deficiency in pre-school children. 2 + 5

Or

- (a) What do you mean by economics of health ?
- (b) Write the analysis of NRC activity from the angle of economical output and input.
- (c) Explain cost effective analysis of nutritional programme. 2 + 3 + 2

(Special Paper : *Medical Nutrition Therapy*)

MODULE – I

1. Answer any *five* questions from the following : 1 x
- (a) Write the full form of TBI and SBI.
 - (b) What do you mean by Trauma ?
 - (c) Write the full form of GCS.
 - (d) Write the definition of dietation.
 - (e) What do you mean by grandmal epilepsy ?
 - (f) Write the name of the disease related to autoimmunity of muscular system.
 - (g) What do you mean by metabolic stress ?
 - (h) Write any four components of medical team.
2. (a) State the differences between infection and sepsis.
- (b) Describe the 'Ebb phase' and 'Flowphase' of sepsis.

- (c) Discuss the guide line of medical nutrition therapy of sepsis. 3 + 2 + 3

Or

- (a) Write the different types of neurotrauma.
- (b) State the differnt features of spinal trauma.
- (c) Describe the guide line for the medical nutrition therapy of neurotrauma. 2 + 2 + 4

3. (a) Write the general symptoms of epilepsy.
- (b) State the principle of the guide line for medical nutrition therapy of epileptic patient.
- (c) State the prognestic factors of Alzheimer's disease. 2 + 3 + 2

Or

- (a) State the broad classification of dietetians.
- (b) Describe the duties of 'Academic Dietetian' in the field of Nutrition.
- (c) Write the ethics of professional dietetian. 2 + 3 + 2

MODULE – II

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

- (a) What do you mean by sarcoma.
- (b) Write the full form of ~~RDS~~ RDS.
- (c) What do you mean by Lymphomia ?
- (d) What do you mean by Benign tumour ?
- (e) What do you mean by nephrolithiasis ?
- (f) What do you mean by leukemia ?
- (g) What do you mean by primary liver malignancy ?
- (h) Write any two symptoms of cystic fibrosis of lungs.

5. (a) What do you mean by asthma ?

(b) Write the symptoms of asthma.

(c) State the etiological factors of asthma.

(d) Write the medical nutrition therapy of asthma. 2 + 1 + 2 +

Or

- (a) What do you mean by nephritic and nephrotic syndrome?
- (b) Describe the sign and symptoms of Nephritic syndrome.
- (c) Discuss the guide line for medical nutrition therapy of nephritic syndrome. 2 + 2 + 4

6. *What is* (a) Write the full form of BPD K

- (b) State the symptoms of BPD.
- (c) Write the medical nutrition therapy against BPD.
- (d) Enumerate the main complications of haemodialysis. 1 + 1 $\frac{1}{2}$ + 3 + 1 $\frac{1}{2}$

Or

- (a) Enumerate the etiological factors for colonic cancer.
- (b) What diet you will prescribe to minimize the incidence of colonic cancer.
- (c) State the clinical features of stomach cancer. 2 + 3 + 2