

**2013**

**M.Sc.**

**3rd Semester Examination**

**NUTRITION AND DIETETICS**

**PAPER—NUD-302**

*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.*

**Module — I**

**[(Therapeutic Nutrition (Part-I)]**

**(Marks : 20)**

1. Answer any five questions of the following: 1×5
- (a) What do you mean by high risk patient?
  - (b) Write any one important feature of therapeutic diet in respect to normal diet.
  - (c) Write the names of any two pathological states where only 'Full fluid diet' is prescribed.
  - (d) What do you mean by multiphase screening?
  - (e) Write the full forms of PPV and NPV in nutritional screening.

*(Turn Over)*

- (f) Write the names of any two pathological conditions when protein restricted diet is provided.
  - (g) Define CMD.
  - (h) What do you mean by patient data?
2. (a) Write in brief about the criteria of screening.
- (b) Write in short about sensitivity and specificity of screening test.
- (c) Western Blot screening test for disease diagnosis has been conducted on 5850 persons. Out of this population, true positives being 4655 and false positives being 1 whereas false negatives 245 and true negative being 949. Compute sensitivity, specificity, PPV and NPV of the said screening test. 2+2+4

Or

- (a) Write the different types of assessment on the basis of time scale.
  - (b) "Patent assessment based on patient data" — Justify the statement with one specific example.
  - (f) Write the criteria of biochemical method in general for nutritional status assessment from the view point of quality control. 2+3+3
3. (a) "Food acceptance in general is modulated by illness" — Justify the statement citing a specific example.
- (b) "Therapeutic diet is formulated on the basis of some logistic points" — Explain the statement critically.
- (c) State the limitations of clear fluid diet. 2+3+2

Or

- (a) How does CMD differ from CD?
- (b) Why food utilization is negatively modulated by illness in general?
- (c) State the significance of RR and AR. 2+3+2

### Module — II

#### [(Therapeutic Nutrition (Part-II)]

(Marks : 20)

4. Answer any *five* questions of the following: 1×5
- (a) Why excess dietary fiber intake research flatulence?
  - (b) Why is high protein diet prescribed for ulcer patient?
  - (c) What do you mean by halitosis?
  - (d) Why coffee and chocolates are restricted for the renal patient?
  - (e) "Secondary hyper parathyroidism is noted in renal patient" — Why?
  - (f) Write the names of any two specific nutrients those should be provided in maximum level for the patient suffering from Immunodeficiency disorder.
  - (g) Write the names of major types of Dialysis procedure.
  - (h) Write any two clinical features of liver cirrhosis.
5. (a) Write the major causes of acute diarrhoea.
- (b) How you prepare home made ORS for the treatment of diarrhoea in rural sector?
- (c) Write the phasewise dietary management of an infant suffering from acute diarrhoea. 2+2+4

Or

- (a) State the chemical symptoms of tuberculosis.
  - (b) "Diet therapy is most effective for the management of degenerative diseases" — Justify the statement from the view point of tuberculosis.
  - (c) Why fluid diet is very much preferred for the patient suffering from fever? 2+4+2
6. (a) Write the major symptoms of 'Immunodeficiency disorders'.
- (b) State the principle for the formulation of therapeutic diet of the patient suffering from immunodeficiency disorder.
  - (c) Why is fat restricted diet prescribed for the hepatic patient? 2+3+2

Or

- (a) "Dietary and non-dietary factors both are equally responsible for constipation" — Critically analyse the statement.
  - (b) Why pulses are restricted in the daily menu of the patient suffering from flatulence?
  - (c) "High fat diet is preferred for ulcer patient" — Justify the statement. 3+2+2
-