

M.Sc.

2016

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 : 5×1

- (a) What do you mean by administrative dietitian?
- (b) Write any two code of ethics of dietitians.
- (c) Write the fullform of 'ALS' and 'GBS'.

(Turn Over)

- (d) What do you mean Petitmal seizure ?
- (e) What do you mean by 'ebb phase' is sepsis ?
- (f) Define shock.
- (g) What is SIRS ?
- (h) What do you mean by Neurotrauma ?

2. (a) What do you mean by 'rule of nines' of burns ?
- (b) How do you maintain Wound Management of a Burn Patient ?
- (c) Write the medical nutrition therapy of burn patient with special reference to energy and protein.

2+3+3

Or

- (a) What are meant by epilepsy and seizure ?
- (b) Write the role of 'Ketogenic diet' for the management of epileptic patients.
- (c) Mention the factors to be considered for ICU admission in trauma.

2+4+2

3. (a) Briefly describe the responsibilities of a dietitian in our community.
- (b) Write the role of community dietitian in the field of Nutrition.
- (c) What do you mean by Neonatal dietitian ?

3+3+1

Or

- (a) Mention the neuropathology in Parkinson's disease.
 - (b) Write briefly on signs and symptoms of Parkinson's disease.
 - (c) Briefly describe the medical Nutrition therapy for Parkinson's disease.
- 1+3+3

Module—II

4. Answer any *five* questions of the following : 5×1
- (a) Write the full form of 'GVHD' and 'HSCT'.
 - (b) What is Cancer Cachexia syndrome ?
 - (c) What do you mean by tumor markers ?
 - (d) Write the full form of 'CAVH' and 'EPO'.
 - (e) What is peritoneal dialysis ?
 - (f) What is meant by 'Surfactant' ?
 - (g) What is pancreatic enzyme replacement therapy ?
 - (h) What do you mean by acute respiratory distress syndrome ?

5. (a) Write on the estimation of daily energy requirements of cysticfibrosis of Lungs.
- (b) Briefly describe the components of nutrition assessment for infants with BPD.
- (c) What is DIOS? 3+3+2

Or

- (a) Write on the metabolic changes noted during cancer.
- (b) Discuss the role of chemotherapy and immunotherapy in Cancer Prevention.
- (c) What is neutropenia? 3+3+2
6. (a) What is pyelonephritis?
- (b) Write the dietary management of pyelonephritis.
- (c) What is End-stage Renal disease? 2+3+2

Or

- (a) Write on the role of 'acidash' and 'alkaline ash' diet for the management of nephrolithiasis.
- (b) Briefly describe the dietary management of nephritic syndrome.
- (c) What is azotemia? 3+3+1

Special Paper
(Community Nutrition & Health Care)

Module—I

1. Answer any *five* questions from the following : 1×5
- (a) What is KAP ?
 - (b) Give the example of any two bio-fortified food.
 - (c) What do you mean by indifferent group ?
 - (d) Write the full form of NSLP & USDHHS.
 - (e) Write any two socio-cultural aspects of diet formulation.
 - (f) What do you mean by health based intervention programme ?
 - (g) What is LBW baries ?
 - (h) Give an example of food faddism.
2. (a) State the importance of health based intervention programme in our community.
- (b) Discuss about the relationship between health & nutrition.
- (c) Discuss about the drawbacks of health based intervention programme. 4+2+2

Or

- (a) Discuss two main nutritional problems that are directly associated with health problems in India.
- (b) Write how these two problems are managed in India.

4+4

3. (a) Why nutrition education programme is designated 'Social marketing'?
- (b) Discuss about disadvantages of nutrition education programme through electronic media.

4+3

Or

- (a) "Fortification of food is one of the intervention for the controlling of non-communicable diseases in community"— Justify the statement from the view point of major two types of food fortification.
- (b) Discuss about the importance of food fortification.
- (c) Write the composition of double fortified salt.

4+1 $\frac{1}{2}$ +1 $\frac{1}{2}$ **Module—II**

4. Answer any *five* questions of the following : 5×1
- (a) Define PERT.

- (b) Write the full form of DALY & PQLI.
 - (c) What do you mean by food security?
 - (d) Write the definition of 'Health Economics'.
 - (e) What is poverty line?
 - (f) What is Markov process analysis?
 - (g) Write the basic difference between GDP & GNP.
 - (h) What is the meaning of linear programming?
5. (a) What is Sullivan's index?
- (b) Write the importance of monitoring in NEP.
 - (c) Discuss about the criteria of good monitoring.

$$1+3\frac{1}{2}+3\frac{1}{2}$$

Or

- (a) "Economic status is not medatory in direct assess to PQLI".— Explain this statement.
- (b) What types of techniques are used during the surveillance of milk quality.

4+4

6. (a) What do you mean by HDI? Briefly describe the measurement procedure of HDI.
- (b) Justify use of three social parameter to calculate HDI. What is India's position? (1+3)+3

Or

- (a) Write the differences between monitoring & surveillance.
- (b) How CBA is conducted?
- (c) Discuss about active and passive surveillance with example. $2\frac{1}{2}+2\frac{1}{2}+2$