

2013

M.Sc.

1st Semester Examination

NUTRITION & DIETETICS

PAPER—NUD-103

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

[Marks—20]

1. Answer any *five* questions of the following : 1×5
- (a) What do you mean by prevalence of a disease ?
 - (b) What is secondary prevention ?
 - (c) Write the full name of GDI and GEM.
 - (d) What do you mean by partial immunization ?
 - (e) What is the serial interval of a disease ?
 - (f) What do you mean by Herd immunity ?

(Turn Over)

- (g) Which group of people are highly susceptible to disease in a community?
- (h) What is meant by sporadic nature of a disease?
2. (a) State the ice-berg phenomenon of a disease with example.
- (b) 'Good economic condition is not always stated (as indicator of child health status' — elaborate with example.
- (c) Write the application of HDI and HPI in our community. 2+4+2

Or

- (a) Briefly describe the different determinants of Health.
- (b) What is the ecological concept of Health?
- (c) What are the differences between Monitoring and surveillance? 3+2+3
3. (a) 'Community sanitation and Public health are interrelated' — justify the statement from the angle of Nutrition.
- (b) The mode of transmission and prevention of typhoidal agent 3+4

Or

- (a) Write the causative agent, source, window period and mechanism of food poisoning of Botulism.
- (b) What is meant for physical and chemical adulteration?
- (c) What is the difference between food poisoning and food contamination? 3+2+2

Module—II**[Marks—20]**

4. Answer any five questions of the following : 1×5
- What is sports anaemia ?
 - Why tea, coffee and alcohol should be avoided during an athletic event ?
 - What is phosphagen system ?
 - Write the full name of IUFD and LGA.
 - What is 'Janani Suraksha Yojana' ?
 - What do you mean by ELBW and VLBW ?
 - Write the full name of HACCP and NHANES.
 - What do you mean by Community assessment ?
5. (a) Write the role of carbohydrate intake before, during and after exercise.
- (b) Briefly describe the different methods of body composition determination.
- (c) What are the adverse effects of excessive physical exercise ? 3+3+2

Or

- Why anaemia is common during pregnancy ? What measures should be taken to prevent it ?
- Explain the reasons for increased nutrient requirement in Pregnancy ?
- Is folate supplementation is essential to all pregnant mother ? — Elaborate the modern concept.

(1+2)+3+2

6. (a) Write the different types of Feeding method of Low-Birth weight baby.
(b) What is small for gestational age?
(c) Mention different causative factors for still birth baby.

4+1+2

Or

- (a) What do you mean by 'Log book method' in the field of diet survey?
(b) What is ACU?
(c) How do you assess the amount of nutritional energy fulfillment of an infant under lactation by an updated method?

2+2+3