

**2015**

**M.Sc. Part-II Examination**

**DIETETICS AND COMMUNITY NUTRITION MANAGEMENT**

**PAPER—VI (Unit-12)**

*Full Marks : 50*

*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.*

*Answer Question No. 1 and any four from the rest.*

1. Answer any *five* of the following : 5×2
- (a) Define missing food.
  - (b) What is Willett questionnaire ?
  - (c) Mention the disadvantages of 24-hour recall method.
  - (d) What do you mean by prodromal period of a disease ?
  - (e) What is Chronic energy deficiency (CED) ?

*(Turn Over)*

- (f) What is meant by 'vertical transmission' of communicable disease?
- (g) What is incubation period of a disease?
- (h) What do you mean by confounding in epidemiological studies?
2. (a) Describe the different portals of entry of pathogens in human body causing communicable diseases.
- (b) Differentiate between incubation period and prodromal period of a disease.
- (c) What are Zoonotic diseases?  
4+3+3
3. (a) Define mortality rate in a community.
- (b) Discuss the difference between incidence rate of a disease and secondary attack rate (SAR)?
- (c) What is meant by syndrome? Give examples of four malnutrition syndromes.  
2+4+(2+2)
4. (a) What is descriptive epidemiology?
- (b) Describe the different methods used in descriptive epidemiology with reference to the study of disease pattern in a community.

- (c) What is the difference between Cross-sectional study and Case-control study?  
2+6+2
5. (a) What do you understand by Food-frequency questionnaire (FFQ)?
- (b) Give a brief account on the weighted and estimated food records.
- (c) What is 'flat-slope syndrome' in 24-hour recall method?  
3+4+3
6. (a) Discuss the advantages and disadvantages of cohort studies.
- (b) What is risk ratio (RR)?  
8+2
7. (a) Describe the difference between Quetelet's index and chronic energy deficiency.
- (b) What are growth indices?
- (c) Describe the significance of measurement of Mid Upper-Arm Circumference in children?  
4+3+3

8. (a) What is tolerance tests ?  
(b) Why is para-aminobenzoic acid (PABA) used in 24-hour urine sample analysis ?  
(c) What is rapid dark adaptation (RDA) test ?

3+3+4

9. (a) Discuss the biochemical markers used for assessing the nutritional status of a human subject.  
(b) What do you understand by the validity and reliability of a nutritional assessment method ?  
(c) What do you mean by nutritional anthropometry ? Mention the limitation of anthropometric data in nutritional assessment.

5+2+(2+1)

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