

2018

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 questions : 5×2
- (a) Define Odd's ratio ?
  - (b) What do you understand by incidence and prevalence ?
  - (c) What is standardized mortality rate ?
  - (d) What is the importance of random sampling ?

(Turn Over)

- (e) What is cross-sectional study ?
- (f) What is a food-frequency questionnaire ?
- (g) Define Pilot study.
- (h) What do you understand by vertical transmission ?
2. (a) Define epidemiological triad.
- (b) What is zoonosis ? Cite suitable examples.
- (c) What do you understand by causal factor of a disease ?
- (d) Define a primary and secondary care.
- (e) What are the risk factors associated with host in disease causation.  $2+2+2+2+2$
3. (a) Discuss the principles involved in nutritional epidemiology.
- (b) What is aliquot sampling method used for assessment of food consumption ?
- (c) What do you understand by biochemical markers of nutritional status ?  $4+3+3$
4. (a) Define population pyramid.
- (b) Explain the difference between prevalence and incidence of the disease condition.

- (c) "A complex nature of diet has posed an unusually difficult challenge to nutritional epidemiology". Explain the statement.  $3+3+4$
5. (a) How does stunting among children affect socio-economic development ?
- (b) How can the study of vital statistics help in the nutritional assessment ?
- (c) What do you understand by dietary diversity ?
- (d) What are the indicators of acute malnutrition in children and pregnant woman ?  $(2\frac{1}{2}+2\frac{1}{2}+2\frac{1}{2}+2\frac{1}{2})$
6. (a) Define case-control study.
- (b) What are the basic steps for conducting a case control study ?
- (c) Write down a short note on the types of cohort studies.  $2+5+3$
7. (a) Define communicable disease with example.
- (b) Briefly discuss about the mode of transmission of infectious diseases.
- (c) Cite examples of micronutrient deficiencies using clinical signs and symptoms.  $2+5+3$

8. (a) What is chemoprophylaxis ?
- (b) What is disinfection ?
- (c) What is disease reservoir ? Discuss briefly different disease reservoirs. 2+3+5
9. (a) What is Anthropometric measurement ?
- (b) How the nutritional status of a teenage girl can be evaluated by anthropometric measurement ?
- (c) Write down the limitations of using anthropometric methods in nutritional assessment. 2+5+3
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