

2018

M.Sc. Part-II Examination

DIETETICS AND COMMUNITY NUTRITION MANAGEMENT

PAPER—VII (Unit-13)

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 Q. No. 1 and any four from the rest.

1. Answer any five questions : 5×2
- (a) Mention the environmental factors responsible for chicken pox.
 - (b) What do you mean by contagious disease?
 - (c) What is antitoxic immunity?

(Turn Over)

- (d) What is ORS ?
- (e) Write the differences between endemic and epidemic conditions of diseases.
- (f) What is botulism ?
- (g) Write the principles of food safety.
- (h) What is herd immunity ?
2. (a) "Bacterial polysaccharide capsules are used as vaccines" — Explain.
- (b) Write the clinical applications of multi-valent subunit vaccines.
- (c) Briefly describe the immunisation schedule for children according to WHO EPI. $4+2+4$
3. (a) How do temperature control and cross-contamination maintain the food safety process ?
- (b) What is food poisoning time bomb ?
- (c) Describe the seven principles of Hazard Analysis critical control points (HACCP). $4+1+5$

4. (a) Discuss the different community impacts of poorly treated waste water.
- (b) Enumerate the several determinants for water conservation and reuse.
- (c) How is aerobic processes of waste water treatment applied during water management ?
5. (a) Describe incidence and prevalence nature of infectious diseases.
- (b) What are meant by sporadic and epidemic form of a disease ?
- (c) Write a short note on nosocomial infections.
- (d) "Outbreak control is one of the fundamental principles of communicable diseases." — Explain. $3+(1+1)+2+3$
6. (a) Describe the mechanism of CTL mediated lysis of target cell.
- (b) How is effector T-cells formed ?
- (c) What is the impact of activation of macrophages ? $4+3+3$

7. (a) What are factors that determine our health ?
- (b) What is community design ? How can community design affect our health ?
- (c) Write the benefits of healthy community design.
- (d) Discuss the ways in which life-changing events can be seen as either positive or negative.

2+(1+3)+2+2

8. (a) What is life style ? What are the major factors of life style that affect health.
- (b) Write down the major life-style management to combat obesity.

2+4+4

9. (a) What are meant by primary and secondary prevention ?
- (b) Write the limitations of disease prevention.
- (c) Classify and discuss the several types of rehabilitation.
- (d) Write down the measures to be followed to prevent diarrhea in children.

2+2+3+3