

2016

M.Sc.

Part-II Examination

DIETETICS AND COMMUNITY NUTRITION MANAGEMENT

PAPER—VII (Unit-14)

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) What should be the proportion of carbohydrate, fat and protein in the diet of an endurance athlete?
- (b) What is phenylketonuria?
- (c) Mention the antiaging role of melatonin.

(Turn Over)

- (d) What do you know about the digestion and absorption of nutrients during diarrhoea?
- (e) What is ORS?
- (f) Write down the importance of Vitamin D in elderly person.
- (g) What is energy quantification?
- (h) What is PAL?
2. (a) Discuss the role of vitamin B₁, B₂ and C in sports performance?
- (b) State the importance of pregame meal?
- (c) State the causes of hyponatrimia in sports persons. 6+2+2
3. (a) Describe the foods of special importance during diarrhoea.
- (b) Discuss the dietary management during and after diarrhoea. 6+4
4. (a) Define aging?
- (b) Describe the different theories of aging process.
- (c) Discuss the role of caloric restriction on aging. 2+6+2

5. (a) What is inborn error of metabolism (IEM)?
- (b) Mention the principles of dietary management of IEM.
- (c) Which alterations are made in dietary management of amino acid disorders? 2+4+4
6. (a) What are the major health risks of undernourished children?
- (b) What are the impact of iodine and vitamin A deficiency in children.
- (c) Mention the effect of malnourishment in pregnant mother. 3+(2+2)+3
7. (a) Describe the pathway of extraction of energy from lipid.
- (b) Discuss its significance for different sports persons. 6+4
8. (a) Explain the terms : Physical activity, physical exercise, physical fitness.
- (b) State the importance of PAL in body weight optimization. (2×3)+4

9. (a) Mention in brief the requirement of Energy, Protein, vitamin C and Calcium in elderly people.
- (b) What are the major reasons for malnourishment in elderly population.
- (c) What is senescence? 4+3+3