

**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 B<sub>1</sub>, B<sub>2</sub> 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