

2017

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 is senescence ?
- (b) What is alkaptonuria ?
- (c) Which is the suitable pre-event meal for sprinters.
- (d) Why dehydration occurs in acute diarrhoea ?

(Turn Over)

- (e) State the importance of carbohydrate intake in athletes.
- (f) What are the dietary recommendation regarding breast milk for infants in diarrhoea ?
- (g) What is glycogen storage disease ?
- (h) What do you mean by endurance in athletes ?
2. (a) Describe the role of vitamins and energy for the performance of athletes.
- (b) How can the deficiency of protein alter sports performance ? 5+5
3. (a) State the importance of water supplementation in sports performance.
- (b) What is hyponatremia? State the causes of hyponatemia in sports persons. 5+5
4. (a) State the physiological reasons for aging.
- (b) What should be the modified diet for aged persons ?
- (c) What are the common gastrointestinal problems seen in aged persons ? 5+3+2

5. (a) Define acute diarrhoea.
- (b) Mention the common causes and risk factors of acute diarrhoea.
- (c) How is zinc related to acute diarrhoea ? $2+(2+4)+2$
6. (a) State the principles of therapy in inborn errors of metabolism.
- (b) What do you know about phenyl ketonuria and Maple Syrup urine disease ?
- (c) What type of dietary recommendations should be given in the above mentioned diseases ? $2+(2+2)+2+2$
7. (a) What is fever? Write down its types.
- (b) Categorically mention the recommendations for fluids and diets in the patients of fever. (2+2)+6
8. (a) 'Physical fitness is a multidimensional state of being'—Explain it.
- (b) How is nutritional management related to health and fitness ? 5+5

9. (a) Discuss the nutritional requirements of pregnant mothers with special emphasis on DHA, Choline and Zinc.
- (b) What is eclampsia? Discuss the probable causes of eclampsia. 6+(1+3)
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