

**Instructions:** Illustrate your answers with neat diagrams wherever necessary.

**Q. 1 Write the following**

- (i) What are the determinants of health status? Explain the factor associated with it. (7 Marks)
- (ii) Explain in detail the role of a nutritionist in public health nutrition. (7 Marks)

**OR**

- (i) Explain the term nutrition status? What are the methods used for assessing nutritional status? (7 Marks)
- (ii) Explain the dietary methods of assessing nutritional status of an individual. (7 Marks)

**Q. 2 Write the following**

- (i) Explain the diagnostic tests for different types of anaemia. (7 Marks)
- (ii) Explain the causes and effects of zinc deficiency among human. (7 Marks)

**OR**

- (i) What are growth charts? Explain the features of growth charts currently in use. (7 Marks)
- (ii) Explain the pathophysiological changes takes place in PEM in detail. (7 Marks)

**Q. 3 Write the following**

- (i) What are the physiological changes occur during pregnancy? (7 Marks)
- (ii) Write down the importance and advantages of breastfeeding. (7 Marks)

**OR**

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- (i) Discuss the types of complementary food. (7 Marks)
- (ii) Write down the complications of pregnancy. (7 Marks)

**Q. 4 Write the following**

- (i) Describe the World Health Organization (WHO) by detailing its main objectives, its three principal organizational bodies, and its key functions in promoting global public health. (7 Marks)
- (ii) Explain the issue of Fluorosis as a public health problem. Discuss its causes, the different types of fluorosis with their primary symptoms, and the main strategies for its prevention and management. (7 Marks)

OR

- (i) Outline the goals and strategies of India's National Nutritional Anaemia Control Programme. Who are the primary target groups, and what are the three main strategies employed by the programme to combat anaemia? (7 Marks)
- (ii) Compare the roles of the Food and Agriculture Organization (FAO) and the United Nations Children's Fund (UNICEF) in the realm of global nutrition. Describe the primary mission of each organization and list three key nutrition-related functions or priorities for both. (7 Marks)

**Q 5. Attempt any seven out of twelve**

(14 Marks)

- (i) Define health.
- (ii) Explain Broka's index.
- (iii) Who is public health nutritionist?
- (iv) WHO cut off points of Hemoglobin for pregnant woman?
- (v) Write a short note on acrodermatitis enteropathica.
- (vi) Write a short note on plasma oncotic pressure
- (vii) Which hormone is responsible for milk secretion?
- (viii) What is colostrum?
- (ix) Write down different ways of increasing energy density of infant foods.
- (x) What is the Latin motto of the Food and Agriculture Organization (FAO), and what does it mean?
- (xi) Why are breastfed infants generally unaffected during an outbreak of Epidemic Dropsy?
- (xii) Which Soviet official called upon the World Health Assembly to initiate the global smallpox eradication program in 1958?

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