

Exam. Code : 304201

Subject Code : 7371

P.G. Dip. in Nutrition & Dietetics 1st Semester

PHYSIOLOGY

Paper-I

Time Allowed—3 Hours]

[Maximum Marks—50

Note : Attempt **FIVE** questions all.

1. Differentiate between cells and tissues. Describe the major properties of skeletal muscles. 5,5
2. Define hypertension. Discuss in detail Cardiac Cycle. 5,5
3. Discuss the digestive functions of Pancreas. Discuss the mechanism of absorption of fats. 5,5
4. Write short notes on : Composition of Blood and Functions of Inclusion bodies. 5,5
5. Discuss the HYPO and HYPER activity of Adrenal Cortex or Adrenal Medulla. 10
6. Discuss the various factors affecting blood pressure. 10
7. Describe the structure of Kidney. Discuss the mechanism of action of urine formation with diagram. 5,5
8. Discuss the role of various intestinal enzymes in digestion. Discuss the mechanism of absorption of proteins. 5,5

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COMMUNITY NUTRITION

Paper-II

Time Allowed—3 Hours] [Maximum Marks—75

Note : Attempt **FIVE** questions. All questions carry equal marks.

- I. Explain the causes of Malnutrition in India. What are the factors affecting food consumption at national level ?
- II. (i) What are the ill effects of infection on nutritional status ?
(ii) Discuss the loss of nutrients due to contamination with microbes.
- III. Which are the International Organizations engaged in community development program ? Explain any three.
- IV. Explain the importance, scope and objectives of Nutrition Education.
- V. (i) Discuss the major nutritional problems faced by our country.
(ii) Economics of Nutrition.
- VI. What are the different programs of Indian Government for women and children ? Explain any three.

VII. Write notes on :

- (i) ICMR
- (ii) Green Revolution.

VIII. Explain :

- (i) Food Adulteration
- (ii) Laws Governing Food Standards
- (iii) Various National and International Standards.

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INSTITUTIONAL FOOD ADMINISTRATION

Paper-IV

Time Allowed—3 Hours] [Maximum Marks—75

Note : Attempt any **FIVE** questions. All questions carry equal marks.

- I. Explain :
 - (i) Importance of planning a menu
 - (ii) Techniques of preparing food in large quantity
 - (iii) Standardisation of common food preparations.
- II. What are the different types of organisations involved in food service ? Explain their characteristics.
- III. (i) Describe the importance of decision making in the management.
 - (ii) Organisation chart
 - (iii) Work sheet.
- IV. How will you plan a functional kitchen with all the necessary units ? Also give the floor plans.
- V. Write notes on :
 - (i) Labour laws
 - (ii) Food laws
 - (iii) Welfare provision for employees.

VI. (i) Describe the factors affecting cost control

(ii) Importance of Accounts and Balance sheet.

VII. What points must be considered while selecting the equipment ? How can the efficiency in their operations be increased ?

VIII. Explain the following :

(i) Methods of recruitment of employees

(ii) Work simplification in kitchen units

(iii) Non-commercial food service.