

29-11-18

**Exam Code : 304201****Paper Code : 8370 (40)****Programme : PGDND Sem-I****Course Title : Physiology****Course Code : PNDL-1281****Time Allowed : 3 Hours****Max Marks : 40****Note:**

- Each question carries equal marks (8)
- Student is required to attempt 5 questions out of 8, selecting atleast one question from each section (section A-D)
- The fifth question may be attempted from any section

**Section A**

Q1. Discuss the diseases and disorders associated with lymphatic system.

Q2. i. Explain the different chambers of heart and their functions

ii. Explain the structure and functions of valves of the heart

iii. Discuss the blood supply to the heart

**Section B**

Q3. i. Explain glomerular filtrations rate.

ii. List the main substances excreted in the urine.

iii. What is the functional unit of kidney.

Q4. i. What is Nervous system.

ii. Explain the structure and function of Brain.

**Section C**

Q5. Explain the working of lower respiratory tract.

Q6. Explain the mechanism of absorption of carbohydrates, proteins and fats.

**Section D**

Q7. i. Explain menstrual cycle.

ii. Explain the functions of female reproductive organs.

Q8. What are endocrine glands. Explain the functions of thyroid and pituitary glands.



Exam Code : 304201

Paper Code : 8371 (40)

Programme : PGDND Sem-I

Course Title : Community Nutrition

Course Code : PNDL-1282

Time Allowed : 3 Hours

Max Marks : 60

Note: Attempt **Five** questions in all by selecting **at least one question** from each Section. Each question carries equal marks.

**UNIT-I**

1. a. Describe Major Nutritional problems of our country.  
b. Explain measures to overcome Malnutrition. (6,6)
2. Discuss the Health care service providers at various Levels. (12)

**UNIT -II**

3. a. Explain the relationship of Nutrition and Infection.  
b. Discuss the role of FAO in our country. (8,4)
4. What is the contribution of Voluntary Agencies in Food and Nutrition activities? Highlight the role of any two national Agencies. (12)

**UNIT-III**

5. Explain the various methods of assessment of Nutritional Status of a community? (12)
6. Describe the Objectives and operations of Pre-school and School Lunch Programmes. (12)

**UNIT-IV**

7. Discuss Principles of Planning, Executing and evaluating the nutrition education programmes. (12)
8. What is Food adulteration? Explain common methods of detecting Food Adulteration. (12)



8-12-2018 (EV)

Exam Code: 304201

Paper Code: 8372 (40)

Programme: PGDND Sem: I

**Course Title: Institutional Food Administration**

Course Code: PNDL-1284

Time Allowed: 3 Hours

Max Marks: 60

**Instructions:**

- Attempt **FIVE** questions in All.
- Selecting **ONE** question from each section
- The fifth question may be attempted from any of the section

**Section A**

- Q. 1 Write a short note on
- a) Non commercial food service operations
  - b) Methods of standardization of food preparations.
  - c) Food habits

(3x4=12)

Q. 2

- A. Define
- I. Commercial food service operation
  - II. Portion control
- B. Describe the use of waste foods in various food service operations

(6,6)

**Section B**

- Q. 3 Discuss the functions of Management and discuss the various types of organization. (6,6)
- Q. 4 Discuss the process of communication. Differentiate between worksheet and organization chart (6,6)

**Section C**

- Q. 5 Discuss the welfare provisions for employees. Discuss the importance of maintenance of financial books w.r.t. the food service organizations. (6,6)
- Q. 6 Elaborate the importance of personnel relationship in food service institutions and Welfare provisions for employees. (6,6)



Section D

Q. 7 Describe the importance of work simplification and describe the criteria for selection of equipment.

Q. 8 Discuss the floor plan for a hostel mess catering to 200 boys students. (6,6)

### Section-C

5. What are the differences between doing aerobics and yoga asana?
6. What is the main cause of dandruff and can we cure this problem?

### Section-D

7. Define the layers of hair with the help of diagram?
8. Briefly explain the hair growth, replacement and fall?



**Exam Code: 304201**

**Paper Code: 8428 (20)**

**Programme : PGDND SEM-I**

**Course Title : BASIC NUTRITION**

**Course Code: PNDL-1286**

**Time Allowed: 3 Hours**

**Max Marks: 40**

1. Attempt any five questions, selecting at least one question from each section.
2. The fifth question may be attempted from any section.
3. All questions carry equal marks.

**Unit I**

1. Write short note on :
  - (a) Fermentation and its advantages
  - (b) Classification of food4+4
2. List down various methods of cooking using different medium of cooking. Explain in detail about steaming & baking. 2+6

**Unit II**

3. (a) What are saturated & Unsaturated fatty acids ?  
Give suitable examples
- (b) Give RDA of energy for adult male, female, pregnant & lactating women

4. What is BMR and what are various factors affecting BMR ?

### Unit III

5. Why proteins are needed and what are various diseases caused by deficiency of protein?
6. Explain in detail about functions of carbohydrates

### Unit IV

7. (a) Fill ups

- (i) .....is called anti beri-beri vitamin
- (ii) B-carotene is a precursor of .....
- (iii) .....is required for absorption of vit B<sub>12</sub>
- (iv) RDA of iron during pregnancy is.....

- (b) Differentiate between

- (i) Fat soluble and water soluble vitamin
- (ii) Pernicious and megaloblastic anaemia

8. Write short note on

- (a) Role of water in human beings
- (b) Function of calcium and Iodine.