

MSc. Nutrition & Dietetics
Final term And Exam
December 2025

8.12.25

MSc.
Nutrition
1st Sem.

Roll no.....

BND Sem.

Centre for Nutrition and Dietetics
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi – 110062

M.Sc. Nutrition and Dietetics (Batch-23-25 & 24-26) backlog
Semester-I Examination, December, 2025

Paper Title: Human Physiology; Paper Code: MDNCC-101

Duration: 2:30 Hours

Max Marks: 60

Note: write to the point, please make sure you have mentioned question no. before answering

SECTION-A

Q. no- I. Attempt any five from the following question:

(2 mark each; 2X5=10marks)

1)	What is the role of tricuspid and mitral valve?	(CO-1,2 PO-1,2,3)
2)	What are the Stimuli that alter gastric acid secretion	(CO-1,2 PO-1,2,3)
3)	Give the role of lysozymes and endoplasmic reticulum.	(CO-1,2 PO-1,2,3)
4)	Define Tidal Volume (TV) and Total Lung Capacity (TLC).	(CO-1,2 PO-1,2,3)
5)	Write the composition of gastric juice.	(CO-1,2 PO-1,2,3)
6)	What is portal triad?	(CO-1,2 PO-1,2,3)

SECTION-B

Q. no-II. Attempt any five of the following questions:

(5marks each; 5X5=25marks)

1)	Explain the conducting system of heart. Give three major plasma proteins	(CO-1,2 PO-1,2,3)
2)	Provide an overview of the salivary glands and briefly explain the various roles played by salivary secretions.	(CO-1,2 PO-1,2,3)
3)	Give an overview of Female reproductive organs.	(CO-1,2 PO-1,2,3)
4)	Discuss the major organs participating in human excretion. Illustrate the excretory system with an appropriate diagram.	(CO-1,2 PO-1,2,3)
5)	What are the functions of pancreatic secretion?	(CO-1,2 PO-1,2,3)
6)	What is Oxygen dissociation curve? Explain with diagram.	(CO-1,2 PO-1,2,3)
7)	Explain blood formation. What are the Physiological Conditions that Alter Cardiac Output ?	(CO-1,2 PO-1,2,3)
8)	Elaborate the Gastric secretion and regulation.	(CO-1,2 PO-1,2,3)

SECTION-C

Q. no- III. Choose any two of the following question:

(12.5 marks each; 12.5X2=25)

1)	Elaborate the organs involved in respiration? Explain Interchange of gases within the lungs.	(CO-1,2 PO-1,2,3)
2)	Explain the functional anatomy of the liver and outline the major functions of bile.	(CO-1,2 PO-1,2,3)
3)	Describe the lymphatic system in detail.	(CO-1,2 PO-1,2,3)
4)	Describe the structure of stomach and its functions.	(CO-1,2 PO-1,2,3)