



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Paramedical Science
Choice-Based Credit System (CBCS) in Light of NEP-2020
General Electives (UG 2024 – 25), II SEM

Subject Code	Category	Subject Name	Teaching and Evaluation Scheme								
			Theory			Practical		L	T	P	CREDITS
			End Sem University Exam	Two Term Exam	Teachers Assessment	End Sem University Exam	Teachers Assessment				
GUPMS202	GE	Know your Body	60	20	20	-	-	4	0	0	4

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; *

Teacher Assessment shall be based on the following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives (CEOs): The students will:

CEOs 1: Understand the importance of Human body systems for Health benefits.

CEOs 2: Know about Anatomy and Physiology about human body.

Course Outcomes (COs): Students should be able to:

COs 1: Understand the concept of basic anatomy of the human body.

COs 2: Understand the concept of Human Physiology and Pathophysiological conditions.

COs 3: Learn different methods for determination of basic parameters of Human body systems.

Unit-1

General Introduction to Human Body Systems

- Basic anatomical positions. Concepts of Cell, Tissue, Organ, and Systems. Blood and its compositions. Anemia.

Unit-2

Cardio-Respiratory system

- Basic structure of Heart and Lungs. Mechanism of breathing and blood Circulatory system. Determination of Heart rate and Blood pressure.

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Unit-3

Gastrointestinal system

- Basic anatomy of Gastrointestinal tract. Functions of liver and pancreas. Digestion of food.

Unit-4

Urogenital system

- Basic structure of urinary system. Anatomy of kidney. Structure of nephron. Composition of Urine. Male and female reproductive tract. Gametogenesis. Menstruation. Pregnancy.

Unit-5

Nervous system

- Structure of neurons. Basic anatomy and physiology of brain and spinal cord.

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Suggested Books:

1. G.K. Pal (2021). *Textbook of Medical Physiology, 4th edition*. Elsevier.
2. Gyton A.C and Hall J.E. (2020). *Textbook of medical physiology*, Prism Books(Pvt) ltd. Bangalore.
3. C.C. Chatterjee . *Human Physiology* Vol.1 and Vol.2, CBS Publishers & Distributers.
4. Graaff et al, (2013). *Schaum’s Outline of Human Anatomy and Physiology*. McGraw Hill Education. New York City.
5. C. Shier David et al, (2012), *Hole’s Human Anatomy and Physiology*, McGraw Hill Education. New York.
6. Seema Tripathi, *Human Anatomical and Physiological Systems*, Viva Books Pvt. Ltd

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