



**SARDAR PATEL UNIVERSITY**  
**VallabhVidyanagar, Gujarat**  
 (Reaccredited with 'A' Grade by NAAC (CGPA 3.25))  
 Syllabus with effect from the Academic Year 2021-2022

**P.G.Diploma in Dietetics**  
**Semester-II**

Course Code	PH2CPGDD51	Title of the Course	Human Physiology-II
Total Credits of the Course	04	Hours per Week	04

Course Objectives	<ul style="list-style-type: none"> <li>Different systems of the body and their functions with special reference to the Nervous, Reproductive, sense organs and Gland and Endocrine system.</li> </ul>
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Course content		
Unit	Description	Weightage %
1	Nervous System – Structure of Nerve Cell, Fiber, Classification of Nervous System, Central Nervous System – Brain, Lobes of brain, Cerebrum, Cerebellum, Medulla oblongata, Hypothalamus. Pituitary Gland – structure, Functions, Spinal Cord – structure and functions, Autonomic and Sympathetic nervous system.	20%
2	Reproductive System – Female reproductive system – organs, structure and functions Male reproductive system – structure and functions, Menstruation, menstrual cycle, Puberty, Menarche, Menopause, Fertilization of ovum, Conception, Implantation	20%
3	Sense Organs – Eye – structure and function, Ear – structure and function, Skin -structure and function	20%
4.	Glands System – <ul style="list-style-type: none"> <li>Liver – structure and function</li> <li>Gall Bladder – structure and function</li> <li>Enterohepatic circulation</li> <li>Pancreas – structure and function</li> </ul>	20%
5.	Endocrine system <ul style="list-style-type: none"> <li>Endocrine glands – structure and function. Hormone – types and functions, role in metabolism. Endocrine disorders</li> <li>Regulation of Hormone Secretion</li> </ul>	20%

Teacher Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Discussion on recent updates with related examples.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage %
1.	Internal Written examination	15%
2.	Internal Continuous Assessment in the form of Viva voce, Quizzes, Seminars, Assignments, Attendance	15%
3.	University Examination	70%

Note: Students will have to score a minimum of 40 % to pass the course.

Course Outcomes	
1.	Get knowledge of various physiological changes of different organs system in human body.

Suggested References:	
Sr. No.	References
1.	Mukherjee K L (1988, Medical Laboratory Techniques – A procedure manual for routine diagnostic tests, New Delhi: Tata McGraw Hill Publishing Co. Ltd.
2.	Ross and Wilson: Anatomy and Physiology in Health an Illness, 8 <sup>th</sup> edition Church Hill Livingstone, N.Y.
3.	Gyton (1996): Test Book of Medical Physiology, 9 <sup>th</sup> Edition, Prism Books Pvt. Ltd., W.B Sanders Company, USA.
4.	Chaurasia B.D (1992), Human Anatomy, ed Singh Indorbir, New Delhi: CBS publishers & distributors
5.	Chatterjee, C.C. (1980): Human Physiology: Medical Allied Agency, Calcutta

