# BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE-PILANI, HYDERABAD CAMPUS SECOND SEMESTER 2023-2024 Course Handout (Part II)

Date: 09/01/2024

In addition to part I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course No. : PHA F214

Course Title : Anatomy, Physiology and Hygiene

Instructor-in-charge: ARTI DHAR

Instructors : Arti Dhar, Trupti Ghatage, Aditi Karnik, Jegadeeswari V, Suraj S

#### 1. Course Description:

Anatomical study of the important organs of human body; physiology of various functional systems of human body; general principles of personal and community hygiene and prevention of communicable diseases.

## 2. Scope and Objectives:

This course imparts knowledge of anatomy (the study of internal structures of the human body and their inter-relationships) and physiology (study of functions of various structures and organ systems of the human body) in healthy and diseased states. It also deals with general principles of personal and community hygiene for the prevention of various communicable diseases.

### **Learning Outcome:**

The purpose of this course is to provide the student with an in-depth study of the anatomy and physiology (structure and function) of the human body. This course imparts knowledge of human body organs, structure and function (cell membrane, action potential) and homeostasis in healthy and diseased states. It also deals with new techniques in assisted reproductive technology.

**3. Text book:** Marieb, Elaine N, Essentials of Human Anatomy & Physiology, Pearson Education, 8<sup>th</sup> Edition, 2005.

#### 4. Reference Books:

- 1. Park K, Textbook of Preventive and Social Medicine, 16<sup>th</sup> Edition, M/s Banarasidas Bhanot Publications, India, 2000.
- 2. Guyton & Hall, Textbook of Medical Physiology, 9th edition, WB Saunders Company, (Indian edition), 1998.

#### **5.Course Plan: Theory Component**

Lect.	Learning	Topics to be covered	Chap/Sec No.
No.	Objectives		(Book)
1 -2	Overview of the	Definition, Scope and common terms used	TI: Ch. 1, 3
	cellular basis of	in Anatomy and Physiology, Cell: Parts and	
	life	their functions, Tissue: Types, differences,	
		characteristics and properties of tissues	

2.46
3, 14

#### **6. Evaluation Scheme:**

EC No.	<b>Evaluation Component</b>	Duration	Weightage (%)	Date & Time	Remarks
1.	Midterm test	90 min	25		СВ
				12/03 - 2.00 -	
				3.30PM	
2.	Quiz	60 min	10		OB
3.	Lab Components				_
	(A) Day to day work &		10		OB
	Viva				
	(B) Lab. Compre & Quiz	3 hr	15		CB
4.	Compre. Exam.	3 hr	40	08/05 AN	СВ

- **7. Attendance:** Although attendance is not compulsory, regularity in theory and practical classes will be decisive factor during grading, especially in borderline cases.
- **8.** Surprise quizzes will be conducted in regular classes without prior notification.
- **9. Chamber Consultation Hour:** To be announced in the class.
- **10. Make-up policy:** Generally make-up will be considered for regular students only.
- 11. Notices: Concerning this course will be displayed on Pharmacy N. B.

**Academic Honesty and Integrity Policy:** Academic honesty and integrity are to be maintained by all the students throughout the semester and no type of academic dishonesty is acceptable.

# Instructor-in-charge PHA F214