

**Academic Plan of PHYSIOLOGY Department Year 2023-24**

Semester	Time Frame	PHYA-HM-MDC-Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
1 (One)	July	History of Physiology & Medicine	AG, RM	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
		Contribution of Indian Scientists in Physiology	AG	
		Chemistry of Biomolecules: Proteins	RM	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	August	Cellular basis of Physiology	AG	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
		Chemistry of Biomolecules: Proteins	RM	
		Contribution of Indian Scientists in Physiology	AG	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	September	Cellular basis of Physiology	AG	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
		Chemistry of Biomolecules: Nucleic acids	RM	
		Chemistry of Biomolecules: Carbohydrates	AG	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	October (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Chemistry of Biomolecules: Carbohydrates	AG	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
		Chemistry of Biomolecules: Lipids	AG	
		Chemistry of Biomolecules: Nucleic acids	RM	
	November (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Clinical Importance of Biomolecules (SEC – I)	AG	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
		Protein Disorders (SEC – I)	RM	
		Age Related Health Issues (SEC – I)	AG	
		Work and Exercise Physiology – I (SEC – I)	RM	
	December (Christmas Holidays 25 <sup>th</sup> Dec 2023 – 1 <sup>st</sup> Jan 2024)	Work and Exercise Physiology – II (SEC – I)	AG	AG = (5 + 2) x 4 = 28 SD = 2 x 4 = 08 RM = (2 + 2) x 4 = 16
Practical & Class Tests (SEC – I)		AG		
Work and Exercise Physiology – I (Cont.) (SEC – I)		RM		
Semester- end Exams		AG, RM		

**Abbreviations:** Th = Theory Classes; Pr = Practical Classes; AG = Dr. Arijit Ghosh; RM = Mrs. Ritisri Mondal; SD = Mrs. Shalmi Das

**Academic Plan for Semester – III (Hons), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-Honours - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
3 (Three)	July	Physiology of Blood & Body Fluids: Introduction, Bone Marrow	AG	AG = (2 + 2) x 4 = 16
		Cardiovascular System: Introduction, Cardiac Cycle, Blood Pressure	SD, AS	DS = 4 x 4 = 16
		Respiratory System: Introduction, Disorders of Breathing	RM, DS	AS = (2 + 2) x 4 = 16
		Practicals & Class Tests	AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	August	Physiology of Blood & Body Fluids: Plasma Protein, Erythropoiesis	AG	AG = (2 + 2) x 4 = 16
		Cardiovascular System: Cardiac Output, ECG	SD, AS	DS = 4 x 4 = 16
		Respiratory System: Mechanics & Spirometry	RM, DS	AS = (2 + 2) x 4 = 16
		Practicals & Class Tests	AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	September	Physiology of Blood & Body Fluids: Blood Volume, Hemostasis, Blood Group	AG, AS	AG = (2 + 2) x 4 = 16
		Cardiovascular System: Pulse	SD, DS	DS = 4 x 4 = 16
		Respiratory System: Pulmonary Circulation, Transport of Gases	RM, DS	AS = (2 + 2) x 4 = 16
		Practicals & Class Tests	AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	October (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Lymph, Lymphatic Organs, Disorder, Hematological Technique (SEC – A1)	AG	AG = (2 + 2) x 4 = 16
		Cardiovascular System: Homeostasis, Coronary Circulation	SD	DS = 4 x 4 = 16
		Respiratory System: Revision	RM, DS	AS = (2 + 2) x 4 = 16 SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	November (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Hematological Technique (SEC – A1)	AG	AG = (2 + 2) x 4 = 16
		Cardiovascular System: Revision	SD	DS = 4 x 4 = 16
		Respiratory System: Revision	RM	AS = (2 + 2) x 4 = 16
		Practicals & Class Tests	AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	December (Christmas Holidays: 25 <sup>th</sup> Dec 2023 – 1 <sup>st</sup> Jan 2024)	Hematological Technique (SEC – A1)	AG	AG = (2 + 2) x 4 = 16
Cardiovascular System: Revision		SD, DS	DS = 4 x 4 = 16	
Respiratory System: Revision		RM	AS = (2 + 2) x 4 = 16	
Semester - End (Internal Assessment)		AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32	

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**Academic Plan for Semester – III (Gen), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-General - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
3 (Three)	July	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
		Nervous System	SD	
		Special Senses	DS, AS	
		Microbiology & Immunology (SEC A1)	RM, DS	
	August	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
		Nervous System	SD	
		Special Senses	DS, AS	
		Microbiology & Immunology (SEC A1)	RM, DS	
	September	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
		Nervous System	SD	
		Special Senses	DS, AS	
		Microbiology & Immunology (SEC A1)	RM, DS	
	October (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
		Nervous System	SD	
		Special Senses	DS, AS	
	November (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
		Nervous System	SD	
		Special Senses	DS, AS	
		Microbiology & Immunology (SEC A1)	RM, DS	
	December (Christmas Holidays: 25 <sup>th</sup> Dec 2023 – 1 <sup>st</sup> Jan 2024)	Nerve Muscle Physiology	AS	DS = 2 x 4 = 08 SD = 2 x 4 = 08 AS = 1 x 4 = 04 RM = 1 x 4 = 04
Nervous System		SD		
Special Senses		DS, AS		
Semester - End (Internal Assessment)		AG, RM, AS, DS, SD		

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AS = Ms. Anusuya Sarkar

**Academic Plan for Semester – V (Hons), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-Honours - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
5 (Five)	July	Special Senses:	DS, AS	AG = (3 + 2) x 4 = 20
		Endocrinology:	AG, RM	DS = 5 x 4 = 20
		Microbiology & Immunology:	RM, DS	SD = (2 + 2) x 4 = 16
		Work, Exercise & Sports Physiology:	SD, AS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	August	Special Senses:	DS, AS	AG = (3 + 2) x 4 = 20
		Endocrinology:	AG, RM	DS = 5 x 4 = 20
		Microbiology & Immunology:	RM, DS	SD = (2 + 2) x 4 = 16
		Work, Exercise & Sports Physiology:	SD, AS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	September	Special Senses:	DS, AS	AG = (3 + 2) x 4 = 20
		Endocrinology:	AG, RM	DS = 5 x 4 = 20
		Microbiology & Immunology:	RM, DS	SD = (2 + 2) x 4 = 16
		Work, Exercise & Sports Physiology:	SD, AS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	October (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Microbiology & Immunology:	RM, DS	AG = (3 + 2) x 4 = 20
		Work, Exercise & Sports Physiology:	SD, AS	DS = 5 x 4 = 20
		Practicals & Class Tests	RM, DS, SD, AS, AG	SD = (2 + 2) x 4 = 16 AS = 3 x 4 = 12 RM = 5 x 4 = 20
	November (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Microbiology & Immunology:	RM, DS	AG = (3 + 2) x 4 = 20
		Work, Exercise & Sports Physiology:	SD, AS	DS = 5 x 4 = 20
		Endocrinology: Revision	AG, RM	SD = (2 + 2) x 4 = 16
		Practicals & Class Tests	RM, AS, DS, SD, AG	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	December (Christmas Holidays: 25 <sup>th</sup> Dec 2023 – 1 <sup>st</sup> Jan 2024)	Microbiology & Immunology:	RM, DS	AG = (3 + 2) x 4 = 20
Work, Exercise & Sports Physiology:		SD, DS	DS = 5 x 4 = 20	
Special Senses: Revision		AS, DS	SD = (2 + 2) x 4 = 16	
Semester - End (Internal Assessment)		AG, RM, AS, DS, SD	AS = 3 x 4 = 12 RM = 5 x 4 = 20	

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**Academic Plan for Semester – V (Gen), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-General - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
5 (Five)	July	Haematology	AG, AS	AG = 01 x 4 = 04
		Practicals & Class Tests	AG, RM, AS, DS, SD	AS = 02 x 4 = 08
	August	Haematology	AG, AS	AG = 01 x 4 = 04
		Practicals & Class Tests	AG, RM, AS, DS, SD	AS = 02 x 4 = 08
	September	Haematology	AG, AS	AG = 01 x 4 = 04
		Practicals & Class Tests	AG, RM, AS, DS, SD	AS = 02 x 4 = 08
	October (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Haematology - Revision	AG, AS	AG = 01 x 4 = 04 AS = 02 x 4 = 08
	November (Puja vacation: 18 <sup>th</sup> oct – 16 <sup>th</sup> Nov 2023)	Haematology - Revision	AG, AS	AG = 01 x 4 = 04 AS = 02 x 4 = 08
		Practicals & Class Tests	AG, RM, AS, DS, SD	
	December (Christmas Holidays: 25 <sup>th</sup> Dec 2023 – 1 <sup>st</sup> Jan 2024)	Haematology - Revision	AG, AS	AG = 01 x 4 = 04 AS = 02 x 4 = 08
		Semester - End (Internal Assessment)	AG, RM, AS, DS, SD	

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**Academic Plan of PHYSIOLOGY Department Year 2023-24**

Semester	Time Frame	PHYA-HM-MDC-Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
2 (Two)	January	Cell Signalling	RM	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Biophysics & Biophysical Principle - I	AG	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	February	Enzyme - I	RM	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Biophysics & Biophysical Principle - I	AG	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	March	Biophysics & Biophysical Principle - II	AG	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Enzyme - II	RM	
		Practical & Class Tests	SD, RM, AS, DS, AG	
	April	Clinical Biochemistry – I (SEC – II)	AG	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Laboratory Automation, Management and Safety (SEC – II)	RM	
	May	Histological Techniques for Pathological Identification - I (SEC – II)	AG	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Clinical Biochemistry – II (SEC – II)	RM	
	June	Histological Techniques for Pathological Identification - II (SEC – II)	AG	AG = (5 + 2) x 4 = 28 RM = (2 + 2) x 4 = 16
		Practical & Class Tests (SEC – I)	RM	
Semester- end Internal Assessment		AG, RM		

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**Academic Plan for Semester – IV (Hons), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-Honours - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
4 (Four)	January	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20
		Molecular Biology	RM, DS	DS = 4 x 4 = 16
		Nutrition & Dietetics	AG	AS = (2 + 2) x 4 = 16
		Detection of Food Additives / Adulterants and Xenobiotics	AG	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	February	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20
		Molecular Biology	RM, DS	DS = 4 x 4 = 16
		Nutrition & Dietetics	AG	AS = (2 + 2) x 4 = 16
		Detection of Food Additives / Adulterants and Xenobiotics	AG	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	March	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20
		Molecular Biology	RM, DS	DS = 4 x 4 = 16
		Nutrition & Dietetics	AG	AS = (2 + 2) x 4 = 16
		Detection of Food Additives / Adulterants and Xenobiotics	AG	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	April	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20
		Molecular Biology	RM, DS	DS = 4 x 4 = 16
		Nutrition & Dietetics	AG	AS = (2 + 2) x 4 = 16
		Detection of Food Additives / Adulterants and Xenobiotics	AG	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
	May	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20
		Molecular Biology	RM, DS	DS = 4 x 4 = 16
		Nutrition & Dietetics, Class Tests	AG	AS = (2 + 2) x 4 = 16
		Detection of Food Additives / Adulterants and Xenobiotics	AG	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32
June	Digestion & Metabolism	SD, AS	AG = (1 + 4) x 4 = 20	
	Molecular Biology	RM, DS	DS = 4 x 4 = 16	
	Nutrition & Dietetics, Class Tests	AG	AS = (2 + 2) x 4 = 16	
	Semester - End (Internal Assessment)	AG, RM, AS, DS, SD	SD = 2 x 4 = 08 RM = (4 + 4) x 4 = 32	

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**Academic Plan for Semester – IV (Gen), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-General - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
4 (Four)	January	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04
		Reproductive System	SD	
		Excretory System	DS	
		Community & Public Health	AS	
	February	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04
		Reproductive System	SD	
		Excretory System	DS	
		Community & Public Health	AS	
	March	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04
		Reproductive System	SD	
		Excretory System	DS	
		Community & Public Health	AS	
	April	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04
		Reproductive System	SD	
		Excretory System	DS	
		Community & Public Health	AS	
	May	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04
		Reproductive System	SD	
		Excretory System	DS	
		Community & Public Health	AS	
June	Endocrinology	RM	DS = 2 x 4 = 08 AS = 1 x 4 = 04 SD = 2 x 4 = 08 RM = 1 x 4 = 04	
	Reproductive System	SD		
	Excretory System	DS		
	Semester - End (Internal Assessment)	AG, RM, AS, DS, SD		

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**Academic Plan for Semester – VI (Hons), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-Honours - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
6 (Six)	January	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24
		Excretory System	AG	DS = 4 x 4 = 16
		Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16
		Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	February	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24
		Excretory System	AG	DS = 4 x 4 = 16
		Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16
		Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	March	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24
		Excretory System	AG	DS = 4 x 4 = 16
		Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16
		Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	April	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24
		Excretory System	AG	DS = 4 x 4 = 16
		Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16
		Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
	May	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24
		Excretory System	AG	DS = 4 x 4 = 16
		Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16
		Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20
June	Reproductive Physiology	SD	AG = (4 + 2) x 4 = 24	
	Excretory System	AG	DS = 4 x 4 = 16	
	Community & Public Health	AS, SD	SD = (2 + 2) x 4 = 16	
	Toxicology & Pharmacology	RM, DS	AS = 3 x 4 = 12 RM = 5 x 4 = 20	
	Semester - End (Internal Assessment)	AG, RM, AS, DS, SD		

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**Academic Plan for Semester – VI (Gen), Dept. of PHYSIOLOGY, 2023-24**

Semester	Time Frame	PHY-General - Th & Pr / Module/ Assessments	Teachers	Total no. of classes / Teacher / Month
6 (Six)	January	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
	February	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
	March	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
	April	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
	May	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
		Class Tests		
	June	Human Nutrition & Dietetics (DSE B2)	DS, AS	DS = 1 x 4 = 04 AS = (1 + 2) x 4 = 12
Semester - End (Internal Assessment)		AG, RM, AS, DS, SD		

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