

Bachelor of Science (B.Sc.) - Optometry [3 Years Regular/4 Years (Honours/Honours with Research)]	
Faculty of Medicine	
Parul University	
Teaching and Examination Scheme for Batch 2023-24	
(NOTE: A credit is a unit by which the coursework is measured. It determines the number of hours of instruction required per week over the duration of a semester (Minimum 15 weeks/90 days)	
1. 1 Theory Credit = 15 hours of academic activity engagement in a semester	
2. 1 Credit of (Practical/Internship/workshop-based activity/ Self-Learning-Online/Offline) = 30 Hours of engagement in a semester	
3. 1 Credit of Experiential learning (Field Visit/ Industry Visit)/ Assignments = 40-45 hours of engagement in a semester.	
4. Research Project/Dissertation: Entire Seventh & Eighth Semesters (12 Credits)	
T = Theory, P = Practical, CE = Continuous Evaluation	
Bachelor of Science in Optometry with Minor in	
1. Anesthesia and Critical Care	
2. Operation Theatre Technology	
3. AIML in Health Care	
4. Nanotechnology in Health Care	

Semester 1

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect.	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
4.5		Major (Discipline Specific Course)												
	19011001DS05	Visual Optics (T)	3	3	-	-	20	-	20	60	-	40	-	100
	19011001DS06	Visual Optics (P)	1	-	2	-	-	20	-	-	30	-	20	50
	19010001DS01	Anatomy & Physiology – I (T)	4	4	-	-	20	-	20	60	-	40	-	100
	19010001DS02	Anatomy & Physiology – I (P)	2	-	4	-	-	20	-	-	30	-	20	50
		Minor -1 / Interdisciplinary Course (Select any one)												
	19011301AC01	Anesthesia and Critical Care: Introduction of Anaesthesia and Critical Care Technology (T)	3	3	-	-	20		20	60		40	-	100
	19011301AC02	Anesthesia and Critical Care: Introduction of Anaesthesia and Critical Care Technology (P)	1	-	2	-	-	20	-	-	30	-	20	50
	19010901OT01	Operation Theatre Technology: Introduction To Operation Theatre Technology (T)	3	3	-	-	20	-	20	60	-	40	-	100
	19010901OT02	Operation Theatre Technology: Introduction To Operation Theatre Technology (P)	1	-	2	-	-	20	-	-	30	-	20	50
	03010501AM01	AIML in Healthcare: Programming in Python (T)	3	3	-	-	20	-	20	60	-	40	-	100
	03010501AM02	AIML in Healthcare: Programming in Python (P)	1	-	2	-	-	20	-	-	30	-	20	50
	03011301NT01	Nanotechnology in Healthcare: Introduction to Nanotechnology and its Applications in Healthcare	4	3	-	1	20	-	20	60	-	40	-	100

[illegible]

Semester 2

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
4.5		Major (Discipline Specific Course)												
	19011002DS01	Ocular Anatomy & Physiology(T)	3	3	-	-	20	-	20	60	-	40	-	100
	19011002DS02	Ocular Anatomy & Physiology(P)	1	-	2	-	-	20	-	-	30	-	20	50
	19010002DS01	Anatomy & Physiology-II (T)	4	4	-	-	20	-	20	60	-	40	-	100
	19010002DS02	Anatomy & Physiology -II (P)	2	-	4	-	-	20	-	-	30	-	20	50
		Minor -2 / Interdisciplinary Course (Select any one)												
	19011302AC01	Anesthesia and Critical Care: Basic Techniques of Anaesthesia (T)	3	3	-	-	20	-	20	60	-	40	-	100
	19011302AC02	Anesthesia and Critical Care: Basic Techniques of Anaesthesia (P)	1	-	2	-	-	20	-	-	30	-	20	50
	19010902OT01	Operation Theatre Technology: Basics of Surgical Procedures (T)	3	3	-	-	20	-	20	60	-	40	-	100
	19010902OT02	Operation Theatre Technology: Basics of Surgical Procedures (P)	1	-	2	-	-	20	-	-	30	-	20	50
	03010502AM01	AIML in Healthcare: Artificial Intelligence (T)	3	3	-	-	20	-	20	60	-	40	-	100
	03010502AM02	AIML in Healthcare: Artificial Intelligence (P)	1	-	2	-	-	20	-	-	30	-	20	50
	03011302NT01	Nanotechnology in Healthcare: Nanomaterials in Biomedical Applications	4	3	-	1	20	-	20	60	-	40	-	100
		University Electives -2 (Multidisciplinary course) (Select any one)												
	10010102UE01	Introduction to Gender, Health, and Rights	4	4	-	-	20	-	20	60	-	40	-	100
	19010202UE01	Public Health Nutrition		3	2	-	20	20	20	60	30	40	20	150
	15010402UE01	Human Psychology		4	-	-	20	-	20	60	-	40	-	100

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Semester 3

[illegible]

Semester 4

[illegible]

[illegible]

Semester 5

[illegible]

[illegible]

Semester 6

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF-Credit-Level	Code	Subject	Credit	Lect	Lab	Tut	T-	P	CE	T	P	Int.+Ext.	Int.+Ext.	
		Major (Discipline Specific Course)												
5.5	19011006DS01	Community Optometry and Geriatric Optometry(T)	3	3	-	-	20	-	20	60	-	40	-	100
	19011006DS02	Community Optometry and Geriatric Optometry(P)	1	-	2	-	-	20	-	-	30	-	20	50
	19011006DS03	Professional Practice Management(T)	3	3	-	-	20	-	20	60	-	40	-	100
	19011006DS04	Professional Practice Management(P)	1	-	2	-	-	20	-	-	30	-	20	50
	19011006DS05	Clinical Posting - Contact Lens-Soft(P)	4	-	8	-	-	40	-	-	60	-	40	100
		Minor -6 / Interdisciplinary Course (Select any one)												
	19011306AC01	Anesthesia and Critical Care: Basic and Advanced Anaesthesia and Critical Care	4	-	8	-	-	40	-	-	60	-	40	100
	19010906OT01	Operation Theatre Technology: Operation Theatre Technology-II	4	-	8	-	-	40	-	-	60	-	40	100
	03010506AM01	AIML in Healthcare: Natural Language Processing (T)	3	3	-	-	20	-	20	60	-	40	-	100
	03010506AM02	AIML in Healthcare: Natural Language Processing (P)	1	-	2	-	-	20	-	-	30	-	20	50
	03011306NT01	Nanotechnology in Healthcare: Nanocomposites	4	3	-	1	20	-	20	60	-	40	-	100
		Ability Enhancement Course -5												
	00019306AE01	Professional Ethics and Communication	2	2	-	-	20	-	20	60	-	40	-	100
	19010306IN01	Internship/Mini Project-1 (in Major Specific Course)	4	-	8	-	-	40	-	-	60	-	40	100
		Total	22											

Internship Guidelines: 30 days (120 Hrs.)

Semester 7

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	1 subject of Major/Minor discipline relevant SEC course of 2 credits (for Honours Degree)	2											
	OR												
19011007RP01	Research Project in Major Specific course (For Honours with Research degree)	6	-	12	-	-	60	-	-	90	-	60	150
	Total	22											

Research Project Guidelines:

Advanced – level disciplinary/interdisciplinary courses related to topic selection and research methodology and initial stage of research will be conducted like: determining the definition of the information needed, determining the methods of collection of qualitative and quantitative data, conducting secondary data analysis etc.

On-the-Job Training Guidelines: 45 days (180 Hrs.)

Semester 8

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		1 subject of Major/Minor discipline relevant SEC course of 2 credits (for Honours Degree)	2											
		OR												
	19011008RP01	Research Project in Major Specific course (For Honours with Research degree)	6	-	12	-	-	60	-	-	90	-	60	150
		Total	22											

Total Credit of the Programme	184													
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Research Project Guidelines:

The final semester will be devoted to seminar presentation, preparation and submission of research project report/dissertation. The project work/dissertation will be on a topic in the disciplinary programme of study or an interdisciplinary topic.

On-the-Job Training Guidelines: 45 days (180 Hrs.)

Note: Course Curriculum from 4th Semester up to 8th semester may undergo revision. Any revision to this effect will be uploaded on the University Website. Students are requested to visit the University Website for any updates related to the revision in the course curriculum or shall contact Dean/HoI/Hod for the same.