

Accredited by NAAC with CGPA of 3.64 on a 4 point scale at 'A++' Grade

LESSON PLAN

Name of Colleg	ge: Dr. D.Y. Patil Institute of	Optometry & Visual Scienc	es
Name of Depar	rtment: Optometry		
Course: B. Opt	tometry Acader	nic Year: 2022-23	Batch: first year
Lesson Title: In De Learning Outo made aware of Specific Learn 1. To know 2. Gross in Instructional M	ction and Definitions ntroduction- light, mirror, refle finitions- prisms, lenses, fram- comes: At the end of the lectur basic laws used in Dispensing ing Objectives: w the behavior of light through ntroduction to dispensing optic Method: Lecture	es, Spectacles re, student is introduced abo optics.	
Duration: 60 n		Degewyeeg/A V Aida	A googgen and Mathad
Time: 30 min. 30 min	Activity DescriptionIntroduction to light ,mirror, reflection,refraction and absorptionLaw of reflectionLaw of refraction(Snell's law)Definition of prism,lenses, frames, spectacleQuestion and answer withsummary of all topics	s	Assessment Method MCQs, Fill in the blanks
List of Learnin		W Brooks and Irvin M Bori	sh 375-384
	Optics N. Subramanium and E		1911 <i>J / J ⁻ J - J</i> - J



Name of Department: Optometry							
Course: B. Opt	ometry Academ	ic Year: 2022-23	Batch: first year				
Topic: Sign cor	iventions						
Lesson Title: S	ign conventions						
Learning Outc	omes: At the end of the lecture	e, students are aware about	standard of reference				
used in image for	ormation and Vergence.						
Specific Learni	ng Objectives:						
1. Introduc	tion to sign convention						
2. Explaini	ng Purpose of measuring it						
3. Explaini	ng how to measure it						
Instructional M	fethod: Lecture						
Duration: 60 m	inutes						
Time:	Activity Description	Resources/A.V. Aids	Assessment Method				
45 min.	Introduction to sign	diagram on white	MCQs, Fill in the				
	convention	board	blanks				
10 min	Explaining Purpose of		Short answer question				
	measuring it		-				
	Explaining how to						
	measure it						
5 min	Question and answer						
List of Learnin	g Resources						
	halmic dispensing : Clifford W	Procks and Imin M Dori	a b				
System of ophi	namme dispensing. Chillofd W	. DIOOKS and II VIII IVI DOIT	811				



Topic: Lenses Lesson Title: Lenses: Definition, Terminology used to describe the lenses Learning Outcomes: At the end of the lecture, students are aware various form of ophthalmic lenses its analysis and its behavior. Specific Learning Objectives: 1. Introduction to lens as a transparent medium 2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes	Name of Coll	ege: Dr. D.Y. Patil Institute of O	ptometry & Visual Scienc	es
Topic: Lenses Lesson Title: Lenses: Definition, Terminology used to describe the lenses Learning Outcomes: At the end of the lecture, students are aware various form of ophthalmic lenses its analysis and its behavior. Specific Learning Objectives: 1. Introduction to lens as a transparent medium 2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: Activity Description Activity Description Introduction to lens Various forms of lenses Since: Activity Description Introduction to lens Various forms of lenses Strine: Activity Description Introduction to lens Various forms of lenses Short answer question 15 min Question and answer List of Learning Resources	Name of Depa	artment: Optometry		
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Learning Outcomes: At the end of the lecture, students are aware various form of ophthalmic lenses its analysis and its behavior. Specific Learning Objectives: Introduction to lens as a transparent medium Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: Activity Description Assessment Method 45 min. Introduction to lens Various forms of lenses 15 min Question and answer List of Learning Resources	Topic: Lenses	3		
lenses its analysis and its behavior. Specific Learning Objectives: 1. Introduction to lens as a transparent medium 2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: 45 min. 15 min Question and answer List of Learning Resources	Lesson Title:	Lenses: Definition, Terminology	y used to describe the lense	28
lenses its analysis and its behavior. Specific Learning Objectives: 1. Introduction to lens as a transparent medium 2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: 45 min. 15 min Question and answer List of Learning Resources	Learning Out	tcomes: At the end of the lecture	e, students are aware variou	is form of ophthalmic
Specific Learning Objectives: Introduction to lens as a transparent medium Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: Activity Description Introduction to lens Various forms of lenses Resources/A.V. Aids diagram on white board and projector MCQs, Fill in the blanks Short answer question List of Learning Resources	0			ĩ
1. Introduction to lens as a transparent medium 2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: Activity Description 45 min. Introduction to lens Various forms of lenses diagram on white board and projector MCQs, Fill in the blanks Short answer question 15 min Question and answer List of Learning Resources Uter State Sta				
2. Various forms of lenses Instructional Method: Lecture Duration: 60 minutes Time: Activity Description 45 min. Introduction to lens Various forms of lenses Resources/A.V. Aids 15 min Question and answer 15 min Question and answer List of Learning Resources	-		edium	
Instructional Method: Lecture Duration: 60 minutes Resources/A.V. Aids Assessment Method Time: Activity Description Resources/A.V. Aids Assessment Method 45 min. Introduction to lens diagram on white MCQs, Fill in the Various forms of lenses board and projector Short answer question 15 min Question and answer Short answer question List of Learning Resources State St		-		
Duration: 60 minutes Time: Activity Description Resources/A.V. Aids Assessment Method 45 min. Introduction to lens diagram on white MCQs, Fill in the 15 min Question and answer Duration and answer Short answer question List of Learning Resources Duration and answer Duration and answer Duration and answer				
Time: 45 min.Activity Description Introduction to lens Various forms of lensesResources/A.V. Aids diagram on white board and projectorAssessment Method MCQs, Fill in the blanks Short answer question15 minQuestion and answerItst of Learning Resources				
45 min. Introduction to lens diagram on white MCQs, Fill in the 15 min Question and answer board and projector Short answer question List of Learning Resources List of Learning Resources List of Learning Resources	Time:		Resources/A.V. Aids	Assessment Method
15 min Various forms of lenses board and projector blanks 15 min Question and answer blanks Short answer question List of Learning Resources Various forms of lenses Various forms of lenses Various forms of lenses	45 min.	• •	diagram on white	
15 min Question and answer Short answer question			•	
15 min Question and answer List of Learning Resources			coma ana projector	
List of Learning Resources	15 min	Question and answer		Short answer question
8	10 1111			
8				
8	List of Loorn	ing Resources		
		8	Prooks and Invin M Dari	ah 200 100



Name of Colle	ege: Dr. D.Y. Patil Institute of Op	tometry & Visual Science	es
Name of Depa	artment: Optometry		
Course: B. Op	otometry Academic	e Year: 2022-23	Batch: first year
-	tion and image formation		
	Image formation through convex		
	Image formation through concave		
-	comes: At the end of the lecture,	students are aware about	behavior of lenses
•	ident on the ophthalmic lenses.		
-	ning Objectives:		
1. To teac	ch them to draw a ray diagram of o	convex and concave lense	es
Instructional	Method: Lecture and project		
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
5 min	Revision of previous class		
30 min.	Image formation by	diagram on white	MCQs, Fill in the
	convex lens	board and projector	blanks
15 min	Image formation by		Short answer question
10 min	concave lens		_
	Question and answer with		
	summary of all topics		
List of Learni			
	thalmic dispensing : Clifford W.	Brooks and Irvin M Bori	sh 399-400



Name of Dep	artment: Optometry		
Course: B. O	ptometry Academi	c Year: 2022-23	Batch: first year
Topic: Verge Lesson Title:	nce determination of focal length and	l dioptric power of the len	s
	tcomes: At the end of the lecture.		
	optric value and vice versa.	, stadents are usie to calca	inte the room length
0	ming Objectives:		
-	e Vergence, it's equation,		
	lation of Vergence, and its practic	e	
	Method: Lecture	с.	
Duration: 60			
Time:		Resources/A.V. Aids	Assessment Method
Time:	Activity Description	Resources/A.v. Alus	Assessment Methou
20 min.	Definition of Vergence, equation	diagram on white board	MCQs, Fill in the blanks Short answer questior
40 min	Vergence problem calculation		



	lege. DI. D. I. Falli III		ptometry & Visual Science	5
Name of Dep	artment: Optometry			
Course: B. O	ptometry	Academ	ic Year: 2022-23	Batch: first year
Lesson Title: Learning Ou		and surfac the lecture		1
-	ning Objectives:		surface of opninaline fem	
-	ning convex and conc	ave surface	es	
2. Sag fo	-			
3. Genev	a lens measure			
Instructional	Method: Lecture and	demonstra	ation	
Duration: 60	minutes			
Time:	Activity Descr	iption	Resources/A.V. Aids	Assessment Method
30 min.	Geneva lens m	easure	diagram on white board, diagram by	MCQs, Fill in the blanks
30 min	Sag formula		projector, laptop	Short answer question
List of Learn	ing Resources		I	1
	0	Clifford W	. Brooks and Irvin M Bori	sh 406-413



Name of College:	Name of College: Dr. D.Y. Patil Institute of Optometry & Visual Sciences					
Name of Departm	nent: Optometry					
Course: B. Opton	netry Academic	Year: 2022-23	Batch: first year			
Learning Outcon which can be calcu	nt vertex power, Back vertex p nes: At the end of the lecture, ulated from ophthalmic lenses	students are aware of var				
2. Defining a	g Objectives: on of power specification nd explaining Front vertex pov power with its formulae and c	· · · · · · · · · · · · · · · · · · ·	approximate power and			
Instructional Me	thod: Lecture					
Duration: 120 mi		Τ	1			
Time:	Activity Description	Resources/A.V. Aids	Assessment Method			
5 min.	Revision of previous class	diagram on white board, diagram by	MCQs, Fill in the blanks			
55 min	Front vertex power and its Calculation Back vertex power and its Calculation	projector, laptop	Short answer question Assignment			
40 min	Equivalent power, Approximate power	diagram on white board , diagram by projector , laptop	MCQs, Fill in the blanks Short answer question Assignment			
20 min	Summarizing all topics					
List of Learning System of ophtha	Resources lmic dispensing : Clifford W.	Brooks and Irvin M Bori	sh			



Name of Department: Optometry						
Course: B. Op	otometry Academic	Year: 2022-23	Batch: first year			
Topic: power	specification					
Lesson Title:	Effectivity and effective power					
Learning Out	comes: At the end of the lecture, s	students are aware of effe	ect and application of			
effective powe	r in high powered prescriptions					
-	ning Objectives:					
	g and explaining effective power					
	es in power by changing the positi	on of the lens				
	Method: Lecture					
Duration: 120	minutes	1				
Time:	Activity Description	Resources/A.V. Aids	Assessment Method			
5 min.	Revision of previous class	diagram on white board	MCQs, Fill in the blanks			
45 min	explaining effective power Changes in power by		Short answer question			
	changing the position of the lens					
10 min	Question and answer					
	session					
<i>c</i> o :	I Spectacle to contact leng	1				
60 min	Spectacle to contact lens power calculation					



Name of Dep	artment: Optometry					
Course: B. O	ptometry Acad	emic Year: 2022-23	Batch: first year			
-	orm and analysis					
	spherical, sphero-cylindrical,		<u></u>			
-		ture, students are aware of typ	es of lenses which use			
1	ifferent refractive error.					
-	ning Objectives:					
-	ning spherical lenses					
-	ning sphero-cylindrical lens ning toric lens					
	Method: Lecture and demon	stration				
Duration: 60		stration				
Time:	Activity Description	Resources/A.V. Aids	Assessment Method			
5 min.	Revision of previous c	lass diagram on white	MCQs, Fill in the			
	L	board, projector, plus	blanks			
45 min	Explaining spherical	and minus lenses	Short answer questio			
	lenses		Long answer			
	Explaining sphero-		question.			
			1			
	cylindrical lens					
	Explaining toric lens					
10 min	•					
10 min	Explaining toric lens					
10 min List of Learn	Explaining toric lens Question and answer					



Name of Dep	artment: Optometry		
Course: B. O	ptometry Academ	nic Year: 2022-23	Batch: first year
Topic: Strum			
Lesson Title:	strums conoid		
Learning Ou	tcomes: At the end of the lecture	e, students are aware of type	e of image formed
through cyline	drical lens		
Specific Lear	ning Objectives:		
1. Explai	ning light refraction through cyl	indrical lenses	
2. Image	formation at various points		
Instructional	Method: Lecture and demonstr	ration	
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
1 ime:	Activity Description	Resources /11. () 11145	
	Introduction of image	Diagram on white	MCQs, Fill in the
45 min	Introduction of image formation through	Diagram on white board, projector,	
	Introduction of image	Diagram on white	MCQs, Fill in the blanks Short answer questior
45 min	Introduction of image formation through	Diagram on white board , projector, torch light, cylindrical	MCQs, Fill in the blanks
45 min 5 min	Introduction of image formation through Demonstration	Diagram on white board , projector, torch light, cylindrical	MCQs, Fill in the blanks Short answer question Long answer
45 min 5 min	Introduction of image formation through Demonstration Question and answer	Diagram on white board , projector, torch light, cylindrical	MCQs, Fill in the blanks Short answer question Long answer



Name of Depa	rtment: Optometry		
Course: B. Op	tometry Academic	e Year: 2022-23	Batch: first year
Lesson Title: N Learning Outo	ization of lenses Neutralization of lenses comes: At the end of the lecture,	students are able to ident	ify unknown power of
1	rom trial lenses. ing Objectives:		
1. Explain	ing of Neutralization of spherical		
-	ing of Neutralization of sphero-c		
	ing of Neutralization of plano cy		
	Method: Lecture and demonstration	ion	
Duration: 120		D (4 37 4 1	
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
10 min.	Revision of previous class	diagram on white board,trial set box,	MCQs, Fill in the blanks
50 min	Neutralization of spherical	spectacle lenses of	Short answer question
	lenses	various power	Long answer
	Neutralization of plano		question.
	cylindrical lenses		
50 min	Neutralization of sphero-	diagram on white	MCQs, Fill in the
10 min	cylindrical lens	board ,trial set box,	blanks
10 mm	Demonstration, practical	spectacle lenses of various power	Short answer question Long answer question
		various power	Long answer question
	Question and answer		



Name of Depa	rtment: Optometry		
Course: B. Op	tometry Academic	e Year: 2022-23	Batch: first year
Topic: Lenson			
Lesson Title:]			
0	comes: At the end of the lecture,		ify unknown power of
1	from lensometer which is used in	day to day practice.	
-	ning Objectives:		
	ing lensometer with its principal	and diagram	
-	ing its uses strating center and axis marking (of onbthalmia long	
		•	
Duration: 180	Method: Lecture, demonstration	and practical	
Time:		Resources/A.V. Aids	Assessment Method
(Day 1)	Activity Description	Resources/A.v. Alus	Assessment Methou
(Day 1) 10 min	Introduction of	Projector, ppt,	MCQs, Fill in the
10 mm	Lensometer	lensometer	blanks
15 min	Principal of Lensometer	lensometer	Short answer question
15 min	Ray diagram of		Long answer
10 11111	lensometer		question.
20 min	Types of mires in		question
	lensometer		
(Day 2)			
15 min	Demonstration (center and	Projector, ppt,	MCQs, Fill in the
	axis marking),	lensometer	blanks
35 min	practical		
	doubt solving		
10 min	Question and answer		
	session		1



Name of Depa	artment: Optometry		
Course: B. O	ptometry Acade	mic Year: 2022-23	Batch: first year
Topic: Transp			
	Simple transposition		
	tcomes: At the end of the lectu		spectacle prescription,
1	to convert them in different for	orms.	
-	ning Objectives:		
	action to transposition		
	ning Steps involved in transpo		
	osing from one form to anothe		
	Method: Lecture, demonstrat	ion	
Duration: 120			
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
	Introduction to	White board	MCQs, Fill in the
5 min	introduction to	Winte bound	
5 min	transposition	White bound	blanks
5 min			blanks
5 min 15 min			blanks
-	transposition		blanks Short answer question
15 min	transposition Steps involved in transposition		blanks Short answer question
-	transposition Steps involved in transposition Transposing from one		blanks Short answer question
15 min	transposition Steps involved in transposition		blanks Short answer question



	Name of Department: Optometry					
Course: B. Opto	ometry Academ	nic Year: 2022-23	Batch: first year			
Topic: Transpos	ition					
Lesson Title: To	oric transposition					
	omes: At the end of the lectur	e, students are able to imple	ement the placement of			
-	ower on the surface of the op	_	*			
Specific Learni						
-	o toric transposition					
	eps involved in toric transpos	ition				
1 0						
Instructional M	ethod: Lecture					
Duration: 60 m	inutes					
Time:	Activity Description	Resources/A.V. Aids	Assessment Method			
10 min	Introduction to toric	White board	MCOs Fill in the			
10 min	Introduction to toric	White board	MCQs, Fill in the			
10 min	Introduction to toric transposition	White board	blanks			
-	transposition	White board	blanks Short answer questior			
-	transposition Steps involved in toric	White board	blanks			
10 min 20 min	transposition	White board	blanks Short answer question			



Name of Depar	tment: Optometry		
Course: B. Opto	ometry Acad	emic Year: 2022-23	Batch: first year
Topic: Prism			
-	efinition, properties, nomer	clatures, uses of prism	
		ure, student knows the optics	of prism and its
application in op		,	F
Specific Learni	•		
-	rism and its nomenclatures		
1			
	nnonernes and uses of origi	nc	
	properties and uses of prisr lethod : Lecture	ns	
Instructional M	Iethod: Lecture	ns	
Instructional M Duration: 60 m	Iethod: Lecture	Resources/A.V. Aids	Assessment Method
	Iethod: Lecture inutes		Assessment Method MCQs, Fill in the
Instructional M Duration: 60 m	Iethod: Lecture inutes	Resources/A.V. Aids	
Instructional M Duration: 60 m	Iethod: Lecture inutes	Resources/A.V. Aids	MCQs, Fill in the blanks
Instructional M Duration: 60 m	Iethod: Lecture inutes	Resources/A.V. Aids	MCQs, Fill in the



name of Depa	artment: Optometry		
Course: B. Op	otometry Acader	nic Year: 2022-23	Batch: first year
Topic: Prism			
Lesson Title:	prismatic effect, Prentice's rule	e sphero-cylinders	
Learning Out	comes: At the end of the lectur	re, student knows the amour	t of prismatic effect
induced as a re	esult of decentration and its applies	plication in Optometry	-
Specific Lear	ning Objectives:	· · ·	
-	oves Knowledge and Skills an	d make the student Lifelong	Learner
	Method: Lecture	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
	Calculation practice	White board	MCQs, Fill in the
55 min			blanks



Name of Depa	artment: Optometry		
Course: B. Oj	ptometry Academ	nic Year: 2022-23	Batch: first year
Topic: Prism			
Lesson Title:	decentration examples plano cy	linders	
	tcomes: At the end of the lectur		of prism and its
application in	Optometry		•
	ning Objectives:		
-	oves Knowledge and Skills and	d make the student Lifelong	Learner
	Method: Lecture	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
40 min	Lecture	White board	MCQs, Fill in the
20 min	Problem solving		blanks
	C C		Short answer question
			1



Traine of Dep	oartment: Optometry		
Course: B. C	ptometry	Academic Year: 2022-23	Batch: first year
Topic: Spect	acle prescription		
		tation of spectacle prescription	on, prescription mistakes
commonly m	ade		
Learning Ou	itcomes: At the end of	the lecture, students are able	to read spectacle prescription,
and help ther	n to convert them in dif	ferent forms.	
Specific Lea	rning Objectives:		
1. It imp	roves analytical skill K	Lnowledge and make the stud	ent Lifelong Learner
Instructiona	I Method: Lecture, der	nonstration	
Duration: 60) minutes		
	Activity Descr	iption Resources/A.V	7. Aids Assessment Method
Time:			
		White board	MCOs Fill in the
	Lecture	White board	MCQs, Fill in the blanks
Time: 60 min		White board	blanks
		White board	



Name of Depa	artment: Optometry		
Course: B. Op	otometry Academ	nic Year: 2022-23	Batch: first year
Lesson Title: Learning Out in ophthalmic 1 Specific Learn 1. It impre	ning Objectives: oves analytical skill Knowledge Method: Lecture, demonstration	e and make the student Life	
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
40 min	Lecture	White board, animation, videos,	MCQs, Fill in the blanks
20 min	Demonstration	convex lens	Short answer question, Long answer question



rame of Dep	artment: Optometry		
Course: B. O	ptometry Acade	mic Year: 2022-23	Batch: first year
Topic: aberra	tions in ophthalmic lenses		
Lesson Title:	mono chromatic aberration		
Learning Ou	tcomes: At the end of the lectu	are, students have the knowle	dge of abnormal optics
in ophthalmic			0 1
-	ning Objectives:		
-	roves analytical skill Knowledg	ge and make the student Life	long Learner
	Method: Lecture, demonstrat		8
Duration: 60	· · · · · ·		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
	~ 1		
	Lecture	White board,	MCQs, Fill in the
40 min			
40 min		animation, videos,	blanks
40 min 20 min	Demonstration	animation, videos, convex lens	Short answer
	Demonstration		Short answer
	Demonstration		Short answer question,
	Demonstration		Short answer



Name of Dep	artment: Optometry		
Course: B. O	ptometry Academ	nic Year: 2022-23	Batch: first year
Lesson Title:	fication and minification in high magnification and minification tcomes: At the end of the lectur	in high powered lenses	dge of effect of high
powered lense		,	8
1	ning Objectives:		
	roves analytical skill Knowledge	e and make the student Life	long Learner
Instructional	Method: Lecture, demonstration	on	
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
40 min	Lecture	White board, animation, videos,	MCQs, Fill in the blanks
20 min	Demonstration	high power convex and concave lens	Short answer question, Long answer question
List of Learn	ing Resources		

Name of College: Dr. D.Y. Patil Institute of Optometry & Visual Sciences

Name of Department: Optometry

Course: B. Optometry

Academic Year: 2022-23

Batch: first year



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Topic: ophtha	almic lens		
Lesson Title:	manufacturing of ophthalmic l	ens blank	
Learning Ou	tcomes: At the end of the lectu	re, students gain the knowle	dge of manufacturing of
blanks of oph	thalmic lenses		
Specific Lear	rning Objectives:		
1. It imp	roves analytical skill Knowledg	ge and make the student Life	long Learner
Instructional	Method: Lecture, demonstrati	on	
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
60 min	Lecture	White board, animation, videos	MCQs, Fill in the blanks Short answer question, Long answer question
	ing Resources		-
System of op	hthalmic dispensing : Clifford	W. Brooks and Irvin M Bori	sh

Name of College: Dr. D.Y. Patil Institute of Optometry & Visual Sciences

Name of Department: Optometry

Course: B. Optometry

Academic Year: 2022-23

Batch: first year

Topic: Ophthalmic lens

Lesson Title: lens surfacing of glass and plastic, and their instruments

Learning Outcomes: At the end of the lecture, students gain the knowledge of how the power is generated in ophthalmic lenses and they learn about tools used to generate the same.



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Specific Lear	ming Objectives:		
2. It imp	roves analytical skill Knowledge	e and make the student Life	long Learner
Instructional	Method: Lecture, demonstration	on	
Duration: 12	0 minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
60 min	Lecture	White board, animation, videos,	MCQs, Fill in the blanks
60 min	Lab visit	high power convex and concave lens	Short answer question,
			Long answer question
List of Learn	ing Resources		
	hthalmic dispensing : Clifford V	V. Brooks and Irvin M Bori	sh

ment: Optometry		
metry Acad	lemic Year: 2022-23	Batch: first year
• •		
mes: At the end of the lec	ture, students gain the knowle	edge of materials of
s and its properties.		
g Objectives:		
	dge and make the student Life	elong Learner
	0	
Activity Description	Resources/A.V. Aids	Assessment Method
Lecture	White board,	MCQs, Fill in the
	animation, videos	blanks
		Short answer
		question,
		Long answer question
	nic lens as materials and its types a mes: At the end of the lec s and its properties. Ag Objectives: es analytical skill Knowle ethod: Lecture, demonstra- nutes Activity Description	hic lens as materials and its types and characteristics. mes: At the end of the lecture, students gain the knowle s and its properties. ag Objectives: es analytical skill Knowledge and make the student Life ethod: Lecture, demonstration nutes Activity Description Resources/A.V. Aids



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List of Learning R	lesources		
System of ophthalr	nic dispensing : Clifford W. I	Brooks and Irvin M Boris	h

Name of Depar	rtment: Optometry		
Course: B. Opt	ometry Acader	mic Year: 2022-23	Batch: first year
Topic: Ophthal	mic lens		
- ·	aults in ophthalmic lenses.		
the ophthalmic Specific Learn	0	surfacing and polishing proc	cess.
	ves analytical skill Knowledg	e and make the student Life.	
	Iethod: Lecture		
Duration: 60 m			
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
		White board,	MCQs, Fill in the



Name of Department: Optometry						
Course: B. O	ptometry Acade	mic Year: 2022-23	Batch: first year			
Topic: Specta	cle frames					
	Nomenclature, Types and Part	s of Spectacle frames, types	of sides and joints,			
bridge			5 /			
Learning Ou	tcomes: At the end of the lectu	re, students gain the knowle	dge of terminology used			
-	arts of the frame.	, C	0			
1	ning Objectives:					
-	oves analytical skill Knowledg	ge and make the student Life	long Learner			
	Method: Lecture with demons		0			
Duration: 60	minutes					
Time:	Activity Description	Resources/A.V. Aids	Assessment Method			
60 min	Lecture with demonstration	White board, various spectacle frames.	MCQs, Fill in the blanks Short answer question, Long answer question			



Name of Depa	artment: Optometry		
Course: B. Op	otometry Academ	nic Year: 2022-23	Batch: first year
Topic: Spectae	cle frames		
	spectacle frames measurements	s and markings (Datum and	Boxing system)
	comes: At the end of the lectur	U	
different parts		, B	0
-	ning Objectives:		
-	oves analytical skill Knowledge	e and make the student Life	long Learner
	Method: Lecture with demons		
Duration: 60	minutes		
Time:	Activity Description	Resources/A.V. Aids	Assessment Method
60 min	Lecture with	White board, various	MCQs, Fill in the
00 11111	demonstration	spectacle frames.	blanks
	demonstration	spectacle frames.	Short answer
			question,
			-
			Long answer question
List of Learni	ng Resources		