

## DEPARTMENT OF OPTOMETRY

### Hod/ Incharge Details



**Name of Hod** : Mr. Sunil Kumar Gupta

**Education** : D. optom, B.optom and M.optom

**Experience** : 20 years ( both academic and clinical)

**Email id** : [sunilkumar.gupta58@gmail.com](mailto:sunilkumar.gupta58@gmail.com) , [sunilkumar@erauniversity.in](mailto:sunilkumar@erauniversity.in)

### Faculty Details

| S.N | NAME OF FACULTY    | Designation              | Qualification            | Email id   |
|-----|--------------------|--------------------------|--------------------------|--|
| 1   | Sunil Kumar Gupta  | Asst. Prof. & In- charge | M.optom                  | <a href="mailto:sunilkumar@erauniversity.in">sunilkumar@erauniversity.in</a>       |
| 2   | Jamshed Ali        | Assit Prof.              | M.optom and Ph.D scholar | <a href="mailto:jamshedali@erauniversity.in">jamshedali@erauniversity.in</a>       |
| 3   | Namrata Srivastava | Assist Prof.             | M.optom                  | <a href="mailto:nam.dropt@gmail.com">nam.dropt@gmail.com</a>                       |
| 4   | Pratik Sharma      | Tutor                    | B.optom                  | <a href="mailto:prateeksharma@erauniversity.in">prateeksharma@erauniversity.in</a> |
| 5   | Ramlah Akhtar      | Tutor                    | B.optom                  | <a href="mailto:ramlahakhtar@erauniversity.in">ramlahakhtar@erauniversity.in</a>   |
|     |                    |                          |                          |  |

## **Research Publication-**

### **Department Of Optometry**

| <b>S.N</b>               | <b>AUTHOR NAME</b>                 | <b>TITLE OF THE PAPER</b>  | <b>JOURNAL NAME</b>  | <b>ARTICLE TYPE</b> | <b>NATIONAL /INTERNATIONL</b> | <b>NAME OF THE INDEXING BODY</b>  |
|--------------------------|------------------------------------|--|--|---------------------|-------------------------------|-----------------------------------|
| <b>Sunil Kumar Gupta</b> |                                    |  |  |                     |                               |                                   |
| 1                        | <b>Mr. Sunil Kumar Gupta</b>       | Phacoemulsification Versus Manual Small Incision Cataract Surgery in Hard Nuclear Cataracts                | Turkish Online Journal of Qualitative Inquiry                            | Original Research   | International                 | <b>Scopus</b>                     |
| 2                        | <b>Mr. Sunil Kumar Gupta</b>       | Prevalence of refractive error in children-hospital based study in Lucknow                                 | International Journal of Community Medicine and Public Health            | Original Research   | International                 | <b>PubMed</b>                     |
| 3                        | <b>Mr. Sunil Kumar Gupta</b>       | IMPACT OF CARDIOVASCULAR AND METABOLIC DISORDER IN DEVELOPMENT OF CATARACT                                 | International Journal of Medical Science in Clinical Research and Review | Review Article      | International                 | <b>Pubmed</b>                     |
| 4.                       | <b>Mr. Sunil Kumar Gupta</b>       | Prevalence of astigmatism in school going children: a hospital-based study at Majeedia Hospital, New Delhi | International Journal of Community Medicine and Public Health            | ORIGINAL ARTICLE    | INTERNATIONAL                 | <b>PUBMED</b>                     |
| 5.                       | <b>Mr. Sunil Kumar Gupta</b>       | Clinical Changes in Eye due to Covid - 19 Pandemic: A Review   | Journal of Advances in Medicine and Medical Research                     | Review Article      | INTERNATIONA                  | <b>PUBMED(NLM)</b>                |
| <b>Jamshed Ali</b>       |                                    |  |  |                     |                               |                                   |
| 1                        | <b>Mr. Jamshed Ali (Co-Editor)</b> | Effects of covid-19 Pandemic   | Redmac international press & media                                       | Chapter book        | National                      | <b>Redshine publication india</b> |
| 2                        | <b>Mr. Jamshed Ali</b>             | Screening of Convergence Disorders and Accommodation Disorders among School Children in Gorakhpur          | European Journal of Molecular & Clinical Medicine                        | Original Research   | International                 | <b>Scopus</b>                     |
| 3                        | <b>Mr. Jamshed Ali</b>             | Prevalence of astigmatism in school going children: a hospital-based study at Majeedia Hospital, New Delhi | International Journal of Community Medicine and Public Health            | Original Research   | International                 | <b>PubMed</b>                     |

|    |                        |   |   |                   |               |                                      |
|----|------------------------|---|---|-------------------|---------------|--------------------------------------|
| 4  | <b>Mr. Jamshed Ali</b> | Influence of Mini-Scleral Contact Lens Wear on Cornea in Ectatic Corneal Disorders                            | International Journal of Current Research and Review          | Original Research | International | <b>Scopus</b>                        |
| 5  | <b>Mr. Jamshed Ali</b> | Knowledge about Cataract and its Risk Factors among an Adult Population in Rural Lucknow                      | JOURNAL OF OPTOELECTRONICS LASER                              | Original Research | International | <b>SCImago Scopus</b>                |
| 6  | <b>Mr. Jamshed Ali</b> | Ocular morbidity pattern in Kashmir – A hospital-based study  | Indian Journal of Clinical and Experimental Ophthalmology     | Original Research | National      | <b>Scopus</b>                        |
| 7  | <b>Mr. Jamshed Ali</b> | Various Action Plans and Initiative Activities of NPCB  | Acta Scientific Ophthalmology                                 | Original Research | International | <b>Google scholar Web of science</b> |
| 8  | <b>Mr. Jamshed Ali</b> | Low vision management in heredomacular degeneration: a case report  | International Journal of Scientific Reports                   | Case Report       | International | <b>Google scholar Copernicus</b>     |
| 9  | <b>Mr. Jamshed Ali</b> | Prevalence of dry eye among paramedical students of Teerthankar Mahaveer University, Moradabad, Uttar Pradesh | International Journal of Research in Medical Sciences         | Original Research | International | <b>PubMed</b>                        |
| 10 | <b>Mr. Jamshed Ali</b> | Impact of second phase lockdown over Indian optometrists: a questionnaire based study                         | International Journal of Advances in Medicine                 | Original Research | International | <b>Google scholar Copernicus</b>     |
| 11 | <b>Mr. Jamshed Ali</b> | A COMPREHENSIVE REVIEW ON COLON TARGETED DRUG DELIVERY SYSTEM   | WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES         | Review Article    | International | <b>Scopus ,Elsevier</b>              |
| 12 | <b>Mr. Jamshed Ali</b> | Strategies Adapted For Patient-Oriented Care And Satisfaction During The Covid-19 Pandemic: An Overview       | Drugs and Cell Therapies in Hematology                        | An overview       | International | <b>PAGEPRESS PUBL</b>                |
| 13 | <b>Mr. Jamshed Ali</b> | An insight of covid-19 and Mucormycosis   | Journal of Medical Pharmaceuticals and Allied Sciences        | Review Article    | International | <b>Scopus</b>                        |
| 14 | <b>Mr. Jamshed Ali</b> | Cause of amblyopia in adult patients: a cross-sectional study   | International Journal of Community Medicine and Public Health | Original Research | International | <b>PubMed</b>                        |
| 15 | <b>Mr. Jamshed Ali</b> | The Magnitude of Refractive Error   | Acta Scientific Ophthalmology                                 | Review Article    | National      | <b>Google scholar Copernicus</b>     |
| 16 | <b>Mr. Jamshed Ali</b> | Investigations of the Dry Eye: An Overview  | Bioscience Biotechnology Research Communications              | Review Article    | International | <b>Web of science Google scholar</b> |
| 17 | <b>Mr. Jamshed Ali</b> | Optimization of Routine   | Bioscience Biotechnology                                      | Review            | International | <b>Web of</b>                        |

|    |                 |   |  |                   |               |                        |
|----|-----------------|---|--|-------------------|---------------|------------------------|
|    |                 | Eye Examination in Asymptomatic Patients in Tertiary Eye Care Center in Western Uttar Pradesh   | Research Communications  | Article           |               | science Google scholar |
| 18 | Mr. Jamshed Ali | Phacoemulsification Versus Manual Small Incision Cataract Surgery in Hard Nuclear Cataracts   | Turkish Online Journal of Qualitative Inquiry                            | Original Research | International | Scopus                 |
| 19 | Mr. Jamshed Ali | PHACOEMULSIFICATION VERSUS SMALL INCISION CATARACT SURGERY -A SURGICAL OPTION FOR IMMATURE CATARACT IN DEVELOPING COUNTRIES           | Journal of Cardiovascular Disease Research                               | Original Research | International | Scopus                 |
| 20 | Mr. Jamshed Ali | Knowledge, attitudes, and beliefs of newly enrolled undergraduate students towards refractive corrections-A questionnaire-based study | PSYCHOLOGY AND EDUCATION   | Original Research | International | Scopus                 |
| 21 | Mr. Jamshed Ali | Phacoemulsification versus Small Incision Cataract Surgery for Treatment of Cataract  | Annals of R.S.C.B  | Original Research | International | Scopus                 |
| 22 | Mr. Jamshed Ali | Post-Operative Visual Prognosis in Senile Cataract in Tobacco Consumers: Community Based Study In Lucknow, Uttar Pradesh              | Journal of Medical Pharmaceuticals and Allied Sciences                   | Original Research | International | Scopus                 |
| 23 | Mr. Jamshed Ali | STUDY OF ANTIBIOTIC SUSCEPTIBILITY PATTERNS IN CLINICAL ISOLATES PSEUDOMONAS SPECIES” IN A TERTIARY CARE HOSPITAL IN MEERUT CITY      | INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH                             | Original Research | International | UGC peer-reviewed      |
| 24 | Mr. Jamshed Ali | A Comparative study to evaluate visual outcome in Post-operative patients of small incision cataract surgery and phacoemulsification  | Elementary Education Online  | Original Research | International | Scopus                 |
| 25 | Mr. Jamshed Ali | IMPACT OF CARDIOVASCULAR AND METABOLIC DISORDER IN DEVELOPMENT OF CATARACT  | International Journal of Medical Science in Clinical Research and Review | Review Article    | International | Pubmed                 |

|    |                        |  |   |                   |               |                               |
|----|------------------------|--|---|-------------------|---------------|-------------------------------|
| 26 | <b>Mr. Jamshed Ali</b> | STUDY OF ANTIBIOTIC SUSCEPTIBILITY PATTERNS IN CLINICAL ISOLATES PSEUDOMONAS SPECIES” IN A TERTIARY CARE HOSPITAL IN MEERUT CITY | INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH                      | Original Research | International | UGC peer-reviewed             |
| 27 | <b>Mr. Jamshed Ali</b> | Prevalence of astigmatism in school going children: a hospital-based study at Majeedia Hospital, New Delhi                       | International Journal of Community Medicine and Public Health     | ORIGINAL ARTICLE  | INTERNATIONAL | PUBMED                        |
| 28 | <b>Mr. Jamshed Ali</b> | Medicine dispensing container  | Intellectual property india<br>Cbr No. 208328, App no. 350708-001 | Patent            | National      | DESIGN NUMBER 350708-001      |
| 29 | <b>Mr. Jamshed Ali</b> | Teacher’s badge with emotion detection (10-05 Class-instruments apparatus, devices for checking, security or testing)            | Intellectual property india<br>Cbr No. 208873, App no. 351565-001 | Patent            | National      | DESIGN NUMBER 351565-001      |
| 30 | <b>Mr. Jamshed Ali</b> | STRESS DETECTING MASK AND EYEWEAR SET (10-05 Class-instruments apparatus, devices for checking, security or testing)             | Intellectual property india<br>Cbr No. 205916, App no. 347215-001 | Patent            | National      | DESIGN NUMBER 347215-001      |
| 31 | <b>Mr. Jamshed Ali</b> | Sensory based intelligent gadget for early detection of heart abnormalities in patients  | Intellectual property india<br>Cbr No. , App no. 202141049230     | Patent            | National      | DESIGN NUMBER 202141049230    |
| 32 | <b>Mr. Jamshed Ali</b> | Covid-19 and Mucormycosis: The Black Fungus  | COVID-19: Problems and Solutions in Multidisciplinary Dimensions  | Book chapter      | International | AkiniK Publications           |
| 33 | <b>Mr. Jamshed Ali</b> | Hurdles in Eye Care Services -An Indian Scenario   | Recent Developments in Medicine and Medical Research Vol.8        | Book chapter      | International | Publisher: (BP International) |
| 34 | <b>Mr. Jamshed Ali</b> | Professional ethics  | ISNT Tech Publication   | Book chapter      | International | ISNT Tech Publication         |
| 35 | <b>Mr. Jamshed Ali</b> | Fiber Optics and Lasers in Medicine  | Scientific international publishing house( SIPH)                  | Entiled Book      | International | SIPH                          |
| 36 | <b>Mr. Jamshed Ali</b> | Clinical Changes in Eye due to Covid - 19 Pandemic: A Review   | Journal of Advances in Medicine and Medical Research              | Review Article    | INTERNATIONAL | PUBMED(NLM)                   |

### Namrata Srivastav

|   |                              |   |   |                   |               |        |
|---|------------------------------|---|---|-------------------|---------------|--------|
| 1 | <b>Mrs.Namrata Srivastav</b> | Assessment of Dry eye in pediatric population | International journal of community Medicine & | Original Research | International | PubMed |
|---|------------------------------|---|---|-------------------|---------------|--------|

|   |                              |  |   |                   |               |               |
|---|------------------------------|--|---|-------------------|---------------|---------------|
|   |                              | along with Ocular surface disorder & Visual display terminal   | Public health   |                   |               |               |
| 2 | <b>Mrs.Namrata Srivastav</b> | Prevalence of astigmatism in school going children: a hospital-based study at Majeedia Hospital, New Delhi | International Journal of Community Medicine and Public Health | Original Research | International | <b>PubMed</b> |

### **Pratik Sharma**

|   |                          |  |   |                   |               |                                   |
|---|--------------------------|--|---|-------------------|---------------|-----------------------------------|
| 1 | <b>Mr. Pratik Sharma</b> | Evaluation of post operative visual outcome in small incision and phacoemulsification cataract surgeries   | INTERNATIONAL JOURNAL OF SPECIAL EDUCATION                    | ORIGINAL ARTICLE  | INTERNATINAL  | <b>SCImago Journal Rank (SJR)</b> |
| 2 | <b>Mr. Pratik Sharma</b> | Knowledge about Cataract and its Risk Factors among an Adult Population in Rural Lucknow                   | JOURNAL OF OPTOELECTRONICS LASER                              | ORIGINAL ARTICLE  | INTERNATINAL  | <b>SCOPUS</b>                     |
| 3 | <b>Mr. Pratik Sharma</b> | Prevalence of astigmatism in school going children: a hospital-based study at Majeedia Hospital, New Delhi | International Journal of Community Medicine and Public Health | ORIGINAL ARTICLE  | INTERNATIONAL | <b>PUBMED</b>                     |
| 4 | <b>Mr. Pratik Sharma</b> | Prevalence of refractive error in children-hospital based study in Lucknow                                 | International Journal of Community Medicine and Public Health | Original Research | International | <b>PubMed</b>                     |

### **Ramleh Akhtar**

|    |                          |  |   |                   |               |                       |
|----|--------------------------|--|---|-------------------|---------------|-----------------------|
| 1  | <b>Ms. Ramleh Akhtar</b> | Knowledge about Cataract and its Risk Factors among an Adult Population in Rural Lucknow | JOURNAL OF OPTOELECTRONICS LASER                              | Original Research | International | <b>SCImago Scopus</b> |
| 2  | <b>Ms. Ramleh Akhtar</b> | Prevalence of refractive error in children-hospital based study in Lucknow               | International Journal of Community Medicine and Public Health | Original Research | International | <b>PubMed</b>         |
| 3. | <b>Ms. Ramleh Akhtar</b> | Clinical Changes in Eye due to Covid - 19 Pandemic: A Review                             | Journal of Advances in Medicine and Medical Research          | Review Article    | INTERNATIONA  | <b>PUBMED(NLM)</b>    |

## Department of Optometry

### **Bachelor of Optometry**

The Bachelor of Optometry is a four-year undergraduate programme ( 3+1) year, three year theory ( Total 6 semester) and one year clinical internship are compulsory, designed to make a student ready for ocular management. Optometry graduates have great opportunities to work as Clinical research scientist, Academician, Corporate managers and start independent eye clinic and retail shops in healthcare industries both in India and abroad.

### **The Bachelor of Optometry had been started on 2017 in Era University Lucknow**

Through different courses in the programme the students are trained for diagnosis and management of ocular diseases management and precise recommendation of spectacles and contact lenses and the ability to provide personalised care to people with special needs.

A student who has completed a B.Optom has career opportunities in health care services. The students who graduate from this B Optometry can work as an optometrist, low Vision Specialists, orthoptist, and opticians.

B.Optom programme has excellent curriculum designed as per guidelines of the UPSMF Lucknow/Ministry of Health and Family Welfare. The program is offering great opportunities to national and international students in preparing skilled & competent professionals. Well qualified and experienced faculty members promote hands on training and evidence-based learning in basic and advance skills in Optometry.

### **B Optometry Eligibility Criteria**

- The applicant should have completed a 10+2 in Science stream from a recognized board or university.
- The applicant must study Physics, Chemistry and Biology as compulsory subjects at the 10+2 level.
- The candidates must have a minimum of 50% of aggregate marks in 10+2 science stream.
- The candidates must be medically fit to be eligible for B Optometry.

## **Diploma of Optometry**

Optometry is a health care profession which is concerned with the health of the eyes and related structures. Optometry includes the study of the examination, diagnosis and treatment of eyes, especially related to visual, optical symptoms, refractive errors and their correction, using lenses and other optical aids. This programme also covers the study of vision screening (eye testing), diagnosis of visual problems, orthopedics and vision training, optometrist counseling of patients with partial sight, colour blindness and hereditary vision defects, and designing and fitting of spectacles, contact lens and low vision aids.

**The Diploma of Optometry had been started on 2004 in Era Insititute of Allied Health sciences and had been approved by U.P State Medical Faculty & U.P Government**

Diploma in Optometry is a 2-year Diploma level Optometric course. The course is designed to teach students the different concepts of eye-health, diseases, diagnosis, and treatment of Human eyes. The course shelters topics such as psychology, patient management, and optometric retail management.

Diploma of Optometry programme has excellent curriculum designed as per guidelines of the UPSMF Lucknow. The program is offering great opportunities to national and international students in preparing skilled & competent professionals. Well qualified and experienced faculty members promote hands on training and evidence-based learning in basic and advance skills in Optometry.

### **Eligibility Criteria**




The basic eligibility criteria for pursuing a Diploma in Optometry course program is 10+2 schooling or equivalent examination in the Science stream with Physics, Chemistry, Biology, and/or Mathematics from a recognized board.





- The candidate must have completed age of 17 years of the age as on 31 st December of admission year. There is no maximum age limit for the admission.
- Educational Qualification:
  1. 10+2 with Physics, Chemistry, Biology or Mathematics.
  2. A candidate who has appeared in the examination of intermediate (science) is also eligible for entrance examination but must produce the mark sheet or certificates at the time of admission to the course.



# Equipment List with Photographs

## Instrument list





| S.n | Items                   | No. | image  |
|-----|-------------------------|-----|--|
| 1.  | Slit Lamp               | 03  |    |
| 2.  | Synoptophore            | 01  |   |
| 3.  | Indirect Ophthalmoscope | 01  |  |

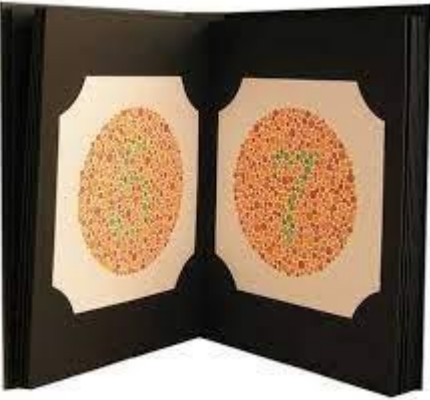



|    |                         |    |  |
|----|-------------------------|----|--|
| 4. | Schiotz<br>Tonometer    | 02 |     |
| 5. | Trial Box               | 09 |   |
| 6. | Distance Vision<br>Drum | 06 |  |
| 7. | Near Vision<br>Drum     | 04 |  |





|     |                                  |    |  |
|-----|----------------------------------|----|--|
| 8.  | Torch                            | 01 |    |
| 9.  | Mirror Retinoscopes              | 01 |    |
| 10. | Distance Vision Box Rope control | 03 |   |
| 11. | Streak Retinoscopes              | 02 |  |

|     |                       |    |  |
|-----|-----------------------|----|--|
| 12. | Direct Ophthalmoscope | 02 |     |
| 13. | Brock string          | 01 |    |
| 14. | RAF Ruler             | 05 |   |
| 15. | Prism Bar             | 09 |  |





|     |             |    |  |
|-----|-------------|----|--|
| 16. | Keratometer | 03 |    |
| 17. | 78 D        | 02 |    |
| 18. | 90 D        | 02 |  |
| 19. | 20 D        | 02 |  |

|     |                            |    |  |
|-----|----------------------------|----|--|
| 20. | Occulodar                  | 10 |      |
| 21. | Bjerrum screen with target | 02 |    |
| 22. | Logmar Chart               | 05 |   |
| 23. | Near Vision Chart          | 10 |  |

|     |                  |    |  |
|-----|------------------|----|--|
| 24. | Ishihara Book    | 01 |  An Ishihara color blindness test book showing two circular patterns of orange and green dots. The left pattern contains the number 74, and the right pattern contains the number 75. |
| 25. | Red Green Goggle | 02 |  A pair of red-green goggles with a black strap. The left lens is red and the right lens is green.   |
| 26. | Placido Disk     | 02 |  A Placido disk, which is a circular target with a black handle. The target consists of a central black dot surrounded by concentric black and white rings.                         |
| 27. | Drill Machine    | 02 |  A white manual drill machine with a black handle and a clear dust cover.  |

|     |                         |    |  |
|-----|-------------------------|----|--|
| 28. | Axis Marking Chart      | 10 |  An axis marking chart used for optometric measurements. It features a circular scale with concentric circles and radial lines, labeled with degrees from 0 to 180. The title "AXIS MARKING CHART" is printed at the top. |
| 29. | Frame Heater            | 02 |  A white, handheld device used for heating eyeglass frames. It has a black frame holder at the front and a control panel with two buttons on the side.   |
| 30. | d-15 colour vision test | 01 |  A d-15 color vision test kit. It consists of a silver carrying case with a black interior, containing 15 colored circular chips arranged in a row.  |
| 31. | Lensometer (Manual)     | 03 |  A manual lensometer used for measuring the optical properties of lenses. It is a white, bench-mounted instrument with a large eyepiece and various adjustment knobs.  |



|     |                         |    |   |
|-----|-------------------------|----|---|
| 32. | Trail Frame             | 09 |  A trail frame, a specialized instrument used in optometry for measuring the angle of inclination of the ocular axis. It consists of two black, semi-circular frames with white circular apertures, connected by a central metal bridge with adjustment knobs. Each frame has a scale around its inner edge. |
| 33. | IPD ruler               | 02 |  An inter-pupillary distance (IPD) ruler, a small white plastic ruler with a central notch. It is used to measure the distance between the pupils of the eyes. The text "Series Optical equipment" is visible on the right side.  |
| 34. | Jcc Set                 | 02 |  A Jcc set, a circular instrument used for measuring the curvature of the cornea. It features a circular frame with a central lens and a handle with a textured grip.  |
| 35. | Diamond Edeging Machine | 02 |  A diamond edging machine, a specialized tool used for grinding and polishing the edges of diamond-tipped lenses. It has a white base, a black top cover, and a central grinding wheel. A small label is visible on the front.  |

|            |                                       |           |  |
|------------|---------------------------------------|-----------|--|
| <p>36.</p> | <p>Amsler Chart Set</p>               | <p>01</p> |  <p>An Amsler chart set consisting of two pages. The left page features a red grid pattern, and the right page has horizontal lines. The pages are bound together in the center.</p>  |
| <p>37.</p> | <p>Flipper Set</p>                    | <p>05</p> |  <p>A pair of white plastic flipper scissors with large, circular handles. The handle on the right has the text 'FLIPPER' printed on it.</p>   |
| <p>38.</p> | <p>Titmus fly with polaroid glass</p> | <p>02</p> |  <p>A Titmus fly test set. It includes a black frame with two panels. The left panel shows a grid of circular patterns and three rows of letters labeled A, B, and C. The right panel shows a blue fly. A pair of black-rimmed glasses is placed in front of the right panel.</p> |
| <p>39.</p> | <p>Applanation Tonometer</p>          | <p>01</p> |  <p>An applanation tonometer, a device used to measure intraocular pressure. It consists of a black base with a vertical rod and a small probe at the top.</p>   |

|     |                        |    |   |
|-----|------------------------|----|---|
| 40. | Genevg Measuse<br>Lens | 02 |  <p>A circular lens measuring device with a white face and black markings. The face has two concentric scales: an outer scale from 0 to 20 and an inner scale from 0 to 12. The brand name 'OPTIMARK' is printed in the center, along with 'P# 49'. A black cap is placed to the right of the device.</p>                                    |
| 41. | Low vision kit         | 01 |  <p>A collection of items for a low vision kit. On the left is a black carrying case with a white magnifying glass and a green pen. To the right is a black board with white horizontal lines. Below these are several small items: a pair of glasses, a green card, a white card with a picture, and a white envelope.</p>                 |
| 42. | Maddox wing            | 01 |  <p>A black Maddox wing device used for measuring ocular deviation. It features a central vertical axis with a red dashed line and a horizontal axis with a red dashed line. A black handle is attached to the right side, and a black ring is attached to the top. The text 'Maddox Wing Test' and 'CCTV21' is visible on the device.</p> |
| 43. | Cutting Plier          | 10 |  <p>A pair of cutting pliers with red handles and black metal jaws. The handles have a textured grip.</p>   |

|     |          |    |  |   |  |
|-----|----------|----|--|---|--|
| 44. | Damy Eye | 01 |  |  |  |
|-----|----------|----|--|---|--|

## **Specialized clinic of Optometry:**

- Low vision,
- Binocular vision and
- Contact lens

## **Treatment facilities:**

### **1. Low vision**

#### **A. Vision Rehabilitation**

- Counselling:
- Mobility Training:
- Independent Living Guidance:
- Computer Training:
- Career Guidance:

### **2. Binocular vision**

#### **A. Orthotics exercises**

- Vision therapy( with the help of synaptophore)
- Software based therapy

### **3. Contact lens**

#### **A. Fitting philosophies**

- Examination of cornea
- Fitting of Soft and RGP & Scleral contact lens

# Conferences and workshop

Two day conference ERA -I- CON on 24 &25 August 2019. In this event more than 500 delegates and students participated in Era University Lucknow.



## CME & workshop and campus program

1. CME on “Clinical Refraction & dispensing” in Era University 2-3 Feb 2019 Attended by student.





2. CME and workshop on research methodology & biostatistics 2 to 4 march 2020.



3. CME on speciality contact lens on 21 & 22 Nov 2021



4. Workshop on dispensing optics on dated 17<sup>th</sup> January 2022

5. Workshop on dispensing optics on dated 25 and 26 March 2022





6. Mastermind in campus program 14-June 2022 by Bausch + Lomb pvt.
7. Opto- meet 1 national conference in jamiya humdard new Delhi. 22 & 23September 2022
8. CME and Workshop on conducted by Essilor (corporate optical company)on dated 23 March 2023.



9. Opto- meet- 2 national conference in Gorakhpur April 2023





10. CME on speciality contact lens and myopia control on 14<sup>th</sup> to 15<sup>th</sup> august 2023.

