



## DIPLOMA IN OPTOMETRY AND REFRACTION:

### 2 Years Diploma Course

#### -: REGULATION:-

The objective of the courses

1. The training of the candidate registering for various diploma (2 years) courses are aimed to carry out all routine diagnostic / therapeutic test on modern hospital laboratory
2. The Diploma course is of two years
3. Eligibility for admission in all Para medical Diploma courses except Perfusionist
  - a) The candidate must have passed 10+2 with at least 40% marks in aggregate of Physics Chemistry and Biology (P C B) and for DMLT 10 + 2 ( P C B ) or 10 + 2 vocational ( M L T ) course with at least 40% marks will also be eligible
  - b) For Diploma in Perfusion Technology (perfusionist 2 years course) The candidate shall have passed B. Sc. ( BIOLOGY group) with minimum 45% marks, The University will award P G Diploma in perfusion technology
4. In case of SC/ST/OBC candidates, 5% marks relaxation will be given for the admission in above said courses
5. Weight age will be given as per university rules
6. Number of seats will be 50 in each course
7. The minimum age for admission shall be 17 years on 31 December of the Academic year of admission
8. The selection of candidate will be on the basis of the entrance examination or in the absence of entrance exam, purely on merit list prepared on the basis of marks obtained in qualifying examination
9. The admissions of students into various programs should be completed by 30th November. There shall be minimum 240 teaching days in one academic year.
10. Attendance of students: The student should have 75% attendance in theory and 75% attendance in practical to be eligible to appear in university examination. However, only Dean/ Principal of the college are empowered to condone 10% of attendance on valid grounds. Monthly attendance of students has to be sent to the university every month from the respective affiliated colleges.



# SARVEPALLI RADHAKRISHNAN UNIVERSITY, BHOPAL

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(Statutory University established under M.P Act No. 17 of 2007 & Covered u/s 2 (f) of UGC Act)  
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11. Total Course Duration: A student has to complete the course that he/she has joined with in the double the duration of the actual time taken for the completion of the course i.e.- Four Years for all Diploma Courses.

12. Medium of instruction and examination: the medium of instruction will be English and the medium of examination will be either English .

13. For all the Diploma courses (which is of two years duration) at the end of first year, an Internal examination will be conducted at the college level itself and the result has to be sent to the University as per the scheduled notification.

14. Passing Marks of Examination:

- The passing marks of examination would be 50% for each subject and also in total marks obtained for both Diploma and Degree courses. The candidate has to pass in theory and practical examination separately. For theory paper the internal assessment marks, viva-voce and theory examination marks will be counted.
- The candidate should pass separately in two heads i.e In Theory (Theory plus Viva voce plus Internal Assessment) and also in Practical (with 50% marks).
- The candidate has to pass separately in each subject in internal assessment examination (with 50% marks) in order to be eligible to appear in university examinations.
- Regarding Grace marks it was decided that total weight age of grace marks would be 5 (five), and that grace marks can be split between the subjects. There will not be any grace marks for the Practical examination.
- Grace marks will not be added to total marks of the candidate. In Supplementary examination also similar pattern of grace marks will be followed.

15. Re-totaling & Re-valuation (Review) both should be allowed as per the university

17. Other rules regarding conduct of examination will be as per the university

REGULATION/notifications 18. Permission will be given to start the courses after the permission from M P Paramedical council (Department of Medical education, Government of M. P. )

19 . Syllabus and scheme of examination shall be decided by the board of studies and Academic council of the university from time to time as per guidelines from M P Paramedical council.



20. In order to be an examiner a faculty member should have minimum three years of teaching experience and not below the rank of the Assistant Professor and /or Demonstrator / Tutor.
21. The examination papers (Theory) will be evaluated centrally at the university
22. The examiner who evaluates the theory copy preferably be appointed as the external for practical examinations for the said course.
23. Diploma students will be eligible for supplementary examination.

## **DIPLOMA IN OPTOMETRY AND REFRACTION**

### **PAPER-I: ANATOMY & PHYSIOLOGY**

#### **Total lecture-25**

#### **Syllabus Contents**

1. Embryology
2. Conjunctiva
3. Cornea
4. Sclera
5. Uveal Tissue
6. Lens
7. Vitreous and Retina
8. Optic Nerve
9. Orbit
10. Eyelid and lacrimal apparatus



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### PAPER- II: OPTICS AND REFRACTION

**Total lecture-30**

#### **SYLLABUS CONTENTS**

1. Visual Acuity
2. Amplitude of accommodation
3. Colour Vision
4. Principal of retinoscopy
5. Static refraction
6. Errors of refraction
7. Myopia
8. Hypermetropia
9. Astigmatism
10. Aphakia
11. Presbyopia
12. Anisometropia
13. Anisokomia
14. Physical Optic
15. Properties of Light
16. Principles of Reflection
17. Principles of Refractions
18. Lenses and their combinations



## **DIPLOMA IN OPTOMETRY AND REFRACTION**

### **PAPER- III: OCULAR DISEASES AND DRUGS**

#### **Total lecture-25**

#### **SYLLABUS CONTENTS**

1. Diseases of conjunctiva
2. Diseases of Cornea
3. Diseases of sclera
4. Diseases of Uveal Tissue
5. Glaucoma
6. Diseases of Lens
7. Diseases of Viterous and retina
8. Diseases of Optic nerve
9. Diseases of Orbit
10. Diseases of Eyelid Lacrimal apparatus



## **DIPLOMA IN OPTOMETRY AND REFRACTION**

### **PAPER- IV: OPHTHALMIC EQUIPMENTS AND CONTACT LENS**

**Total lecture -30**

#### **SYLLABUS CONTENTS**

1. Slit Lamp
2. Auto Refractometer
3. Keratometer
4. A Scan
5. Tonometry
6. Contact Lenses
  - Indications
  - Types
  - Uses
  - Fitting of contact Lenses
7. Low Visual aids