TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL EXAMINATIONS, APRIL/MAY-2016

DIPLOMA IN DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

PAPER-I

ANATOMY AND PHYSIOLOGY, PATHOLOGY, PHARMACOLOGY

Time: 3 Hrs
Answer any TEN Questions

Each Question Carries 10 Marks

Total Marks: 80

1. Explain in detail Red Eye?

2. Draw the diagram of eye and mark the parts. Write in detail about functions of eye?

3. Describe in detail about the various functions of optic nerve?

4. Explain the orthotics role of optometry technician?

5. Write an essay on eye banking?

6. Explain in detail about streak Retinoscopy?

7. Describe about vision testing and principle of testing for visual acuity?

8. Explain in detail about anatomy of retina?

9. Write an essay on various colour of vision and component of vision?

10. Write an essay on cataract and its management?

11. Write common community Eye problems with atleast 4 examples?

12. Explain in detail about trachoma?
TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS, NOVEMBER, 2016
DIPLOMA IN OPTOMETRY TECHNICIAN COURSE
PAPER I
Anatomy & Physiology, Pathology, Pharmacology

Time: 3hrs.
Answer any TEN Questions

Total Marks: 80
All Questions carry equal marks

1. Draw the diagram of cross section of EYE ball and label the parts?
2. Explain in detail about the anatomy of the cornea and maintenance of corneal transparency?
3. What is amblyopia? Describe Different methods for treatment of amblyopia?
4. What is the mechanism of color vision? Write in detail about types of color blindness?
5. Explain in detail about Vitamin-A deficiency and its management?
6. Describe about principles and practice of Retinoscopy with examples?
7. Write about role of optometry technician in community eye problems?
8. What is NPCB? What are the functions of NPCB in control the blindness rate?
9. Describe in detail about ocular emergencies?
10. What is Glaucoma? Describe in detail about Anti-Glaucoma drugs?
11. Describe Vernal conjunctivitis and its management?
12. What is EYE Bank? How do you collect and preserve the Eye ball?
1. Explain in detail about the Physiology of ORBIT with a diagram.

2. Explain in detail about the cross section of Eye Ball through a Diagram.

3. Describe in detail about the Physiology of extra ocular muscles and their action.

4. Describe in detail the various differences between the Optic Nerve and Retinal Layer.

5. Explain in detail about Protection mechanism of eye.

6. Explain in detail about various Eye diseases and their maintenance.

7. Explain in detail about the anatomy of the Brain with a diagram.

8. Explain in detail about Path way with a diagram.

9. Explain in detail about the difference between the Visual acuity and colour vision.

10. Explain in detail about the various Sensory organs of Human Body.

11. Explain in detail about Gulkstand’s Schematic Eye.

12. Explain in detail about Eye lids and its glands.
1. Explain in detail about the various ophthalmic prescriptions.

2. Explain in detail about polarized lenses with a diagram.

3. Explain about the difference between concave mirror and convex mirror.

4. Explain in detail about role of optometrist.

5. Explain the difference between Multifocal and Bifocal Lenses.

6. Explain about the various optical aberrations.

7. Explain in detail about Streak Retinoscopy.

8. Explain in detail about Gulkstand’s Schematic Eye.

9. Explain in detail various viral infections of cornea.

10. Explain in detail about the anatomy of lens.

11. Describe in detail the various functions of the Optic Nerve.

12. Explain in detail about the various types of Commercial Progressive laws available in the Market.
ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS, NOVEMBER, 2014

DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

PAPER I

Anatomy & Physiology, Pathology, Pharmacology

Time: 3hrs.  
Total Marks: 80

Answer any TEN Questions  
All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. Explain in detail about Importance of Eye Banking and its need.

2. Explain in detail about the Retinoscopy

3. Explain in detail about the role of optometry technician.

4. Explain in detail about the PIN HOLE TEST and its purpose.

5. Explain in detail about the Auto Refractometer and its purpose.

6. Describe in detail about the structure and principle of ophthalmoscope drawing a diagram

7. Explain in detail about the difference between a critical angle and optical aberration.

8. Explain in detail about the anatomy of lens including the Commercial Progressive Lens.

9. Describe in detail the various functions of the Optic Nerve.

10. Explain in detail about the difference between CONJUNCTIVA and GLAUCOMA.

11. Explain in detail about Protection mechanism of eye.

12. Explain in detail about Eye lids and its glands.

***
ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, APRIL, 2014

DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

PAPER I

Anatomy & Physiology of Eye

Time: 3hrs.  Total Marks: 80
Answer any TEN Questions  All Questions carry equal marks
Write the entire answer to a question at one place only but not in different stages

1. Explain in detail about Anatomy of Eye with a diagram.
2. Explain about the various Colour Vision.
3. Explain in detail about the anatomy of the Brain.
4. Explain in detail about CORNEA and remedies for Cornea ulcer.
5. Explain in detail about Path way with a diagram.
6. Explain in detail about Eye Banking and its Purpose.
7. Explain in detail absolute refractive index.
8. Describe in detail about ORBIT Retinoscopy.
9. Explain in detail about the role of optometrist.
10. Explain in detail about the Visual acuity.
11. Explain in detail about various types of hypermetropia.
12. Explain in detail about the various Sensory organs of Human Body.

***
ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, MAY, 2013

DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

PAPER I

Anatomy & Physiology, Pathology, Pharmacology

Time: 3hrs. Total Marks: 80
Answer any TEN Questions All Questions carry equal marks
Write the entire answer to a question at one place only but not in different stages

1. Explain in detail about the role of optometrist.
2. Explain in detail about ophthalmic prescriptions.
3. Explain in detail about the OCULAR PATHOLOGY.
4. Explain in detail about ANTIMICROBIALS.
5. Explain in detail about a focal length and the method to determine the power of lens.
6. Explain in detail about focimeter and its uses.
7. Explain in detail about multifocal lens.
8. Explain in detail about various types of hypermetropia
9. Explain in detail about the various optical aberrations.
10. Explain in detail about various Tinted lenses.
11. Describe in detail about the structure and principle of ophthalmoscope drawing a diagram.
12. Explain in detail about structure & function of Retinoscope with a diagram.

***
1. Explain in detail about polarized lenses with a diagram.

2. Explain about the difference between concave mirror and convex mirror.

3. Explain about the various optical aberrations.

4. Explain the difference between Multifocals and Bifocal Lenses.

5. Explain in detail about the anatomy of lens.

6. Explain in detail about CONJUNCTIVA.

7. Explain about Protection mechanism of eye.

8. Explain about Eye lids and its glands.

9. Explain in detail about a focal length and the method to determine the power of lens.

10. Explain in detail absolute refractive index.

11. Describe about (1) Streak Retinoscopy (2) Pinhole Test.

12. Describe about (1) Auto Refractometer. (2) Interpupillary Distance.

***