

# TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR/SUPPLEMENTARY) EXAMINATIONS,  
November 2022  
Diploma in Medical Lab Technician Course (DMLT)

PAPER I - Pathology & Blood Banking

Date - 09-11-2022

Time: 10:am to 1:pm (3hrs)

Total Marks:80

Answer any **TEN** Questions only

All Questions carry equal marks

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1. Name blood groups. Describe the blood grouping by slide method.
2. Describe in detail about steps of tissue processing?
3. Describe about semen collection and procedure of semen analysis.
4. What is H&E staining? Write the procedure.
5. Enumerate different components of blood and their storage in blood bank?
6. Write in detail about papanicolau staining of cervical smear.
7. Write in detail about normal characteristics of CSF and write findings in bacterial meningitis.
8. Describe how you test for bleeding time and clotting time in detail.
9. Describe the physical characteristics of urine and collection and preservation for lab testing.
10. Describe in detail about Leishman staining procedure of peripheral smear.
11. Explain in detail about microscopic examination of urine?
12. Describe in detail about segregation and disposal of biohazardous waste material with color codes?

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# TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD

## COMBINED PARAMEDICAL (REGULAR/SUPPLEMENTARY) EXAMINATIONS, November 2022 DIPLOMA IN OPHTHALMIC ASSISTANT COURSE

### PAPER I - Anatomy, Physiology

Date - 09-11-2022

Time: 10: am to 1: pm (3hrs)

Total Marks: 80

Answer any **TEN** Questions only

All Questions carry equal marks

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1. Write the anatomy of eye ball with diagram?
2. Explain in detail about anatomy of Eye lids.
3. Write in detail about components of vision and vision testing.
4. Describe in detail about various functions and route of optic nerve?
5. Write in detail about anatomy of cornea and mechanism of corneal transparency?
6. Explain in detail about anatomy of extra ocular muscles & their action.
7. Explain about dynamics of aqueous humour?
8. Discuss about anatomy of lens and its metabolism.
9. Discuss briefly about Physiology of vision?
10. Discuss briefly about accommodation and its mechanism?
11. Write briefly about (a) Tonometry (b) Lacrimal test.
12. Discuss briefly about theories of colour vision and how to detect colour blindness?

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# TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, DECEMBER, 2021

## DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

### PAPER I

Anatomy & Physiology, Pathology, Pharmacology

#### PAPER I - Anatomy, Physiology

Date - 09-11-2022

Time: 10: am to 1: pm (3hrs)

Answer any **TEN** Questions only

Total Marks: 80

All Questions carry equal marks

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1. Describe the anatomy of the human lens and explain the process of accommodation.
2. Name the layers of the retina.
3. Name the extraocular muscles and state their nerve supply.
4. Describe the pathology of aqueous humor and draw what happens in angle closure glaucoma.
5. Describe the role of vitamin A in visual cycle.
6. Describe tear film. How do you manage dry eye.
7. Name the cycloplegics & mention their duration of action
8. Name few steroid eye drops-discuss the indications and contraindication for their use
9. List of drops prescribed after cataract surgery.
10. Name the components of vision.
11. How do you test near vision?
12. Discuss about the visual pathway.

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