

TELANGANA STATE PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR/SUPPLEMENTARY) EXAMINATIONS,

NOVEMBER, 2022

DIPLOMA IN MEDICAL LAB TECHNICIAN COURSE (DMLT)

PAPER III : Biochemistry, Techniques & Metabolism

Date - 15-11-2022

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

Answer any TEN Questions only

Total Marks: 80

All Questions carry equal marks

1. Write the procedure & clinical uses of Rotheras test in Urine.
2. Mention different types of water used in the lab. How do you prepare distilled water?
3. Describe principle working and maintenance of a centrifuge? Types of centrifuges & precautions taken during centrifugation.
4. Name the electrolytes. Write their normal values. How do you estimate them in lab?
5. Name any 4 anticoagulants & their mechanism of action & uses.
6. Expand CSF. Write the method to estimate protein in CSF sample.
7. Different glassware used in lab and cleaning of glassware.
8. Write in detail about wastage disposed in a Clinical Laboratory.
9. Write about ELISA
10. Write in detail about lipids, lipoproteins and their importance.
11. Write about GTT
12. Laboratory hazards & safety measures.

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NOVEMBER, 2022

DIPLOMA IN OPHTHALMIC ASSISTANT COURSE

PAPER III : Optics, Refraction

Date - 15-11-2022

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

Answer any TEN Questions only

Total Marks: 80

All Questions carry equal marks

1. Write notes on objective and subjective refraction.
2. Explain in detail about prisms and its uses.
3. What is lensometer? Write its uses and advantages.
4. Explain in detail about mobile ophthalmic unit.
5. What is reflection? Write notes on reflection.
6. Discuss the importance of eye camps and its uses.
7. Discuss about astigmatism and methods of corrections.
8. Explain about polarization.
9. Write different types of lenses used in sight correction.
10. Write about myopia and its management.
11. What are the indications and complications of contact lenses?
12. What are the types of aberration?
Explain about a) Spherical aberration b) Chromatic aberration

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DIPLOMA IN OPTOMETRY TECHNICIAN COURSE

PAPER III : Clinical Refraction, Diseases of Eye, Case Presentation

Date - 15-11-2022

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

Answer any TEN Questions only

Total Marks: 80

All Questions carry equal marks

1. What is myopia? What are the different procedures for correction of myopia?
2. What is ophthalmia neonatorum and its treatment?
3. Discuss about lacrimal drainage system and various patency tests.
4. Discuss briefly about
 - A) Autorefractometer
 - b) Lensometer
5. Discuss about types of transposition with few examples.
6. How do you investigate a case for cataract surgery?
7. What is pterygium? What are the treatment options for pterygium?
8. Explain in detail about physiology of optics.
9. Describe about clinical refraction.
10. Write briefly about chalazion and stye.
11. Discuss briefly about Amblyopia and its management.
12. Discuss about retinoscope, trial set and accessories.
