

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN MEDICAL LAB TECHNICIAN COURSE

PAPER - I

Pathology & Blood Banking

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Enumerate the different components of blood and their storage in blood bank.
2. Describe in detail about Leishman staining Procedure of Peripheral smear.
3. Describe in detail about steps of Tissue processing.
4. Classify Anemias & write a note on Hemolytic anemia.
5. Define cross matching. Types of cross matching.
6. Write about various methods of urine collection and preservatives used for storage of urine.
7. Draw figure of improved Neubauer chamber. Write Procedure to Count WBC.
8. What is the procedure to fix museum specimens?
9. What is FNAC? What are the different fixatives used in cytology?
10. Write the methods for estimation of Hemoglobin and its significance.
11. Describe about semen collection and procedure of semen analysis.
12. Write in detail about biomedical waste management.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - July, 2025
DIPLOMA IN OPHTHALMIC ASSISTANT COURSE

PAPER - I

Anatomy & Physiology

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Explain Anatomy of Cornea with a diagram.
2. Explain Anatomy of Lens with embryology.
3. Discuss Theories of Accommodation.
4. Write about Anatomy of 3rd Cranial Nerve with neat diagram.
5. Discuss
 - a) Occlusion Therapy
 - b) Penalisation.
6. Write application of LASERS.
7. Discuss Tonometry.
8. Write about Bloody supply of Optic Nerve Head.
9. Write about Anatomy of Iris and Ciliary body with Bloody supply.
10. Discuss Binocular single vision and various tests.
11. Describe Visual pathway anatomy.
12. Discuss aqueous humour dynamics.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN OPTOMETRY TECHNICIAN COURSE
PAPER - I

Anatomy & Physiology, Pathology, Pharmacology

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Explain Anatomy of EOM and various laws of EOM.
2. Enumerate layers of Cornea with diagram.
3. Write about Development of Lens with diagram.
4. Write about Anatomy of Eyelids with diagram.
5. Discuss Metabolism of Lens and cataractogenesis.
6. Write in detail theories of colour vision and testing of colour vision.
7. Explain about theories of accommodation.
8. Discuss Corneal transparency.
9. Role of Various dyes used in Ophthalmology.
10. Discuss Sturms Conoid.
11. Discuss Steriopsis and various test.
12. Discuss Optic Nerve functions and course.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN DIALYSIS TECHNICIAN COURSE

PAPER - I

Anatomy, Physiology, Infections & Communicable Diseases

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Describe the anatomy of Kidney.
2. Describe the excretory and hormonal functions of the kidney.
3. Discuss the blood supply of the kidney.
4. How do you measure blood pressure in a patient?
5. What do you mean by universal precautions?
6. Explain the various steps of hand washing.
7. What is the difference between AKI and CKD?
8. How do you give heparin in dialysis in a patient with high risk of bleeding?
9. What do you know about deceased donor program in Telangana (Jeevandan)?
10. Draw a Hemodialysis machine and label all its parts.
11. What vaccines are recommended for patients on dialysis?
12. How do you clean the machine after dialysis?

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN RESPIRATORY THERAPY TECHNICIAN COURSE
PAPER - I

Cardio Pulmonary Anatomy, Physiology & Medical Terminology

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Describe the types of respiration and their clinical significance.
2. Describe causes for bronchial breath sounds and its clinical significance.
3. Write about Spirometry.
4. Write about Anatomy and physiology of Diaphragm.
5. Write in detail about cardio pulmonary anatomy.
6. Write in detail about COPD and its management.
7. Write about various lung volumes and capacities.
8. Describe mediastinum. Mention its contents and applied anatomy.
9. Explain in detail about pleura and its functions.
10. Write notes on pulmonary circulation.
11. Explain in detail about pleural pressure.
12. Write notes on Stridor, Wheeze and Rhonchus.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (Supplementary) EXAMINATIONS - July, 2025

DIPLOMA IN AUDIOMETRY TECHNICIAN COURSE

PAPER - I

Anatomy of the Human Ear

Exam Date: 14.07.2025

Time: 3hrs

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Explain details about the auditory pathway.
2. Describe the middle ear with neat diagram.
3. Which is the most important structure in hearing and how it works?
4. What are most using headphones during audiometry?
5. Explain in detail about Tympanic Membrane.
6. Describe about outer ear structures with diagram.
7. What are the bones in middle ear and how it works in hearing?
8. What are semi circular canals in inner ear and role in hearing?
9. Explain in detail about Auditory nerve.
10. What is the procedure in Audiometry testing?
11. What is mean by decibel? And describe about audiometer.
12. What are different types of headphones? What is the importance of headphones during audiometry?

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN EMERGENCY PARAMEDIC TECHNICIAN COURSE
PAPER - I

Anatomy, Physiology, Pathology, Microbiology, Definition & terminologies,
BLS/ACLS

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write about anatomy of the mammary gland, its relations, branches, and clinical importance.
2. Explain liver function tests.
3. Describe bronchopulmonary segments under general features and applied anatomy.
4. Explain coagulation of blood.
5. Describe the contents of the femoral triangle and its applied aspects.
6. Define arterial blood pressure and describe the methods of measuring it.
7. Write notes on
 - a) Universal safety measures
 - b) Personal Protective equipment (PPE).
8. Discuss about oxygen delivery devices and complications of oxygen therapy.
9. Discuss lung volumes and capacities in detail.
10. Write detailed notes on liver function tests.
11. Discuss the steps in Advanced Cardiac Life Support (ACLS).
12. Discuss blood transfusion and reactions (complications).

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN MEDICAL IMAGIOLOGY TECHNICIAN COURSE

PAPER - I

Dark Room & Radiographic Techniques

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Construction of darkroom-dry and wet bench.
2. Technique and views in mammography.
3. A) Skyline view of patella
B) Axial View of Shoulder.
4. Construction and use of Grids.
5. Image formation in computed radiography (CR).
6. Construction of cassette in film screen radiography.
7. Direct Digital radiography.
8. Retrograde urethrography.
9. A) X-Ray of hand
B) X-Ray of cervical spine.
10. Bedside radiography of chest.
11. Intervenuous urography.
12. Hysterosalpingography.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN MEDICAL STERILIZATION MANAGEMENT AND
OPERATION THEATRE TECHNICIAN COURSE

PAPER - I

Anatomy, Physiology, Pathology, Microbiology, Definitions & Terminologies

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Describe the structure and function of the Respiratory system with a neat labeled diagram.
2. List the parts of the central nervous system (Brain) and their function.
3. What is Blood grouping and typing? What is the role of red blood cells and white blood cells in the body?
4. Define sterilization. List any two methods and explain one in detail.
5. What is a sepsis? How is it maintained in the operation theatre?
6. What is meant by nosocomial infection? How can it be prevented?
7. What is the meaning of universal precautions in infection control? List any two examples.
8. Describe the biomedical waste management. Include classification, color coding.
9. What is the difference between sterilization and Disinfection? Give two examples of each.
10. What are the functions of the liver? Write about the liver function tests.
11. What is hand hygiene? Write about steps and chemicals used in the hand washing.
12. Explain the steps in cleaning and disinfecting surgical instruments.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN RADIOTHERAPY TECHNICIAN COURSE

PAPER - I

Anatomy, Physiology, Pathology & Sources of Infection

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write about CELL CYCLE. Mention the most Radioresistant and most Radiosensitive phase of the cell cycle.
2. Write in detail about Respiratory system.
3. Define tumor. How do you differentiate between benign and Malignant tumors.
4. Draw the diagram of skin and label its parts. Write about its functions.
5. Write about function of kidney with a diagram of excretory system.
6. Write about different sources of infection.
7. Write about different types of Biopsy.
8. Describe TNM classifications.
9. Explain about Hormones and their functions.
10. Explain in detail about female reproductive system.
11. Write about different parts of Oropharynx and larynx and its functions.
12. Explain about Bones, Joints, and Locomotor System.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN DENTAL TECHNICIAN COURSE

PAPER - I
Dental Mechanics

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Classify casting defects. Explain porosity in detail.
2. What is a Twin Block Appliance? Discuss in detail the fabrication of Twin Block Appliance.
3. Discuss the steps in processing of waxed maxillary and mandibular complete dentures by compression molding technique.
4. Discuss various methods of fabrication of wax patterns for small castings.
5. Mention different materials used in fabrication of special trays and discuss steps in fabrication of maxillary and mandibular special tray.
6. Define spacer. Write about different types and functions of a spacer.
7. Define Surveyor and its procedure in surveying.
8. Classify casting defects and explain about porosity.
9. Define Articulator and give its classification and uses.
10. How to use shade guide in ceramic work dental laboratory?
11. What is Trial denture base and write in detail about the materials and procedures for preparing trial denture base.
12. What is Retainer? Write in detail about direct retainers.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN DENTAL HYGIENIST TECHNICIAN COURSE
PAPER - I
Oral and Dental Anatomy, Applied Physics Chemistry

Date: 14,07.2025

Time: 3hrs

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write dental formula of primary and permanent teeth, functions of teeth. Differences between primary and permanent teeth.
2. Write in detail about Tooth numbering systems.
3. Enumerate stages of tooth development and Discuss about Cap Stage.
4. Describe the articular surfaces, Ligaments, Nerve supply, Relations and movements of TMJ.
5. What is oral mucosa membrane? Classify OMM and describe histology of keratinized mucosa.
6. Describe the principal fibers of PDL.
7. What is deglutition and stages of deglutition?
8. Write in detail about muscles of mastication.
9. Morphology of maxillary central incisor and canine.
10. Write chronology of permanent dentition.
11. Discuss theories of tooth eruption.
12. Describe anatomy of tongue including its blood supply and Nerve supply.

TELANGANA PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025
DIPLOMA IN RADIOGRAPHIC ASSISTANT COURSE
PAPER - I

Radiation hazards, Protection & Preventive Measures

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. What is a) Roentgen b) Rad c) Seivert- Describe any two.
2. Inverse square law in radiation protection.
3. TLD badge.
4. Mention any 5 measures for radiation protection in your department.
5. Stochastic and non stochastic effects of radiation.
6. Radiation protection during fluoroscopy.
7. a) Filters b) Collimators.
8. ALARA principle and its application.
9. Construction of modern xray tube.
10. Procedure and films taken in MCUG.
11. Hysterosalpingogram.
12. Mention any 5 properties of X-rays.

TELANGANA PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025

DIPLOMA IN CARDIOLOGY TECHNICIAN COURSE

PAPER - I

Clinical Cardiology & Congenial Heart Diseases

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write about cyanosis.
2. Explain in detail pericardial effusion/ pericardiocentesis.
3. Explain in detail about Acute Rheumatic fever.
4. Write the difference between Bradycardia & Tachycardia.
5. Write about cardiac cycle.
6. Explain in detail about common warning signs of heart diseases & treatment.
7. Write an essay on congenital heart diseases.
8. Write an essay on cardiac arrest and management.
9. Diagnosis of HTN & management.
10. Describe the symptoms & ECG findings, management of acute MI.
11. Write an essay on heart failure complications & management.
12. What is patent ductus arteriosus (PDA)? Describe its symptoms, complications & management.

TELANGANA PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025

DIPLOMA IN CATH LAB TECHNICIAN COURSE

PAPER - I

Cardiac Catheterization & Cardiac Physiology

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Describe the anatomy and conduction system of the heart.
2. Mention the cardiac procedures done in the cath lab.
3. Describe the emergency drugs used in cath lab.
4. What are the different angiographic views during angiography?
5. Describe the preparation of the patient for peripheral angiography.
6. Describe the different balloons used in coronary interventions.
7. Describe the procedure of percutaneous balloons mitral valvotomy.
8. Describe the procedure of pericardiocentesis.
9. Describe the pressure waves and the equipment required for recording pressure waves. Mention what is dampening and ventricularization.
10. Describe the contrasts used in the cath lab and the adverse effects. How do you manage anaphylaxis?
11. Counselling of the patient before cardiac procedures.
12. Mention different measures to reduce radiation cath lab.

TELANGANA PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025

DIPLOMA IN ECG TECHNICIAN COURSE

PAPER - I

Electro Physiology, Operation & Maintenance of ECG Machines

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write a note on ECG jelly.
2. Write a note on ECG machine cleaning.
3. Write a note on heart rate.
4. Write notes on 12 lead ECG.
5. Write short note on ST – segment and what does its elevation or depression suggest on ECG?
6. Write a note on Einthoven's triangle.
7. Describe the normal intervals in ECG.
8. What is standardization, various standardization defects?
9. Write notes on posterior lead.
10. Write a short note on Holter monitoring.
11. Describe role of ECG technician in ICCU.
12. What is the electrophysiology study (EPS) and how does it differ from standard ECG?

TELANGANA PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025

DIPLOMA IN ANAESTHESIA TECHNICIAN COURSE

PAPER - I

Anesthesiology, types of Anesthesia

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Write in detail about the 10 golden rules of Anaesthesia.
2. Write about the monitoring during Anaesthesia.
3. What is blood grouping and typing? Write the complications of blood transfusion.
4. Write in detail about the anatomy and physiology of the respiratory system?
5. Write about HBSAg? And precautions to be taken while handling HBSAg infected patient.
6. Write about spinal and epidural needles.
7. Explain in detail about the precautionary measures to be taken to prevent spread corona virus or COVID 19 infection.
8. What is chemical disinfection? Write in detail about any two agents used for chemical disinfection.
9. Write in detail about safety features of anesthesia work station.
10. What is endotracheal intubation? How do you assist anaesthetists during intubation?
11. How to prevent fire hazards in operation theatre?
12. What is spinal anaesthesia? How do you arrange a trolley during spinal anaesthesia?

TELANGANA PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS - JULY, 2025

DIPLOMA IN MULTIPURPOSE HEALTH ASSISTANT (MALE) COURSE PAPER - I

Health Problems

Exam Date: 14.07.2025

Time: 3hrs.

Answer any **TEN** Questions

Total Marks: 80

All Questions carry equal marks

1. Enumerate the universal immunization programme in detail.
2. What is first aid and write in detail the aim, objectives and precautions followed in delivering first aid?
3. Prevention of cancers in the community.
4. What are the control measures to be taken for communicable diseases?
5. What are the most common sexually transmitted diseases and explain any one disease in detail,
6. What are the hazards of radiation and the control measures?
7. What are the vitamin A rich foods?
8. BCG protects against which disease? Write the government initiatives taken for the disease.
9. 37 cases of diarrhea and vomiting have been registered during the recent pushkaralu. How do you manage?
10. ORS composition.
11. Draw a neat flowchart for bio-medical waste management.
12. Enumerate the most common human disabilities.
