

**SYLLABUS FOR THE WRITTEN TEST OF**  
**PARAMEDICAL POSTS:-**

**AUDIOMETRIST (T) T&S GR. D**

Topics	Sub-Topics	No. of Questions	Total Marks
<b>Audiometry</b>		<b>60</b>	<b>60 Marks</b>
	Audiology		
	Introduction To Speech & Language Pathology		
	Basic Medical Sciences Related To Speech & Hearing		
	Psychology		
	Community Based Rehabilitation		
	Education For Children With Special Needs		
	Speech Therapy		
	Test In ENT		
<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

# **OPTOMETRIST (T) T&S GR. D**

<b>Topics</b>	<b>Sub-Topics</b>	<b>No. of Questions</b>	<b>Total Marks</b>
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<b>Optometry</b>		<b>60</b>	<b>60 Marks</b>
	Anatomy And Physiology Of The Eye		
	Clinical Refraction		
	Visual Optics		
	Dispensing Optics		
	Pediatric And Geriatric Optometry		
	Ocular Diseases		
	Contact Lenses		
	Ophthalmic Instruments		
	Low Vision Aids		
	Binocular Vision		
	Optometric Optics		
	Physical Optics		
	Geometrical Optics		
	Pharmacology		
	Optometric Instruments		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **STAFF NURSE (T) T&S GR.C**

Topics	Sub-Topics	No. of Questions	Total Marks
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Staff Nurse		60	60 Marks
	Anatomy & physiology		
	Collection storage & transport of samples		
	ICU management		
	Medical/surgical/orthopaedic nursing		
	Management of tracheostomy		
	Midwifery		
	Sterilization procedures		
	Disposal of wastes		
	Arrangements to be made for common bedside procedures		
	CPR		
	Emergency tray		

General Knowledge		20	20 Marks
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

# **PHARMACIST (T) T&S GR. C**

<b>Topics</b>	<b>Sub-Topics</b>	<b>No. of Questions</b>	<b>Total Marks</b>
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<b>Pharmacist</b>		<b>60</b>	<b>60 Marks</b>
	Adverse action of commonly used drugs		
	Anatomy physiology & Biochemistry		
	Diabetics/Aids		
	Drugs acting of various system		
	Hormone supplements		
	Management of shock/malaria/epilepsy fever/gastroenteritis		
	Preservation of drugs		
	Prolonged action/extend release etc.		
	Sources of drug information & classifications		
	Stability of drugs		
	Sterilization procedures		
	Typical drugs		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

# **X-RAY TECHNICIAN/RADIOGRAPHER (T)**

## **T&S GR.C**

Topics	Sub-Topics	No. of Questions	Total Marks
<b>X-ray</b>	Anatomy and Physiology	<b>60</b>	<b>60 Marks</b>
	<b><u>Transformers</u></b>  X-Ray Units and Measurements of X-Rays x-Ray Tube		
	Radiographic photography Techniques		
	Radiographic General Procedures		
	<b><u>Special Investigation</u></b>  Urinary Tract Gastro-Intestinal Tract Biliary Tract		
	Basic principle and application of computerized tomography, ultrasound Magnetic resonance Imaging, Computer Radiography and Digital Radiography		
	Contrast Agents, Contrast Reaction and their management, Emergency Drugs used in Radiology Department		
	Precautions in Radiology for both patients and radiographers		
	Emergency management of hypersensitive reactions		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **DENTAL TECHNICIAN (T) T&S GR. D**

Topics	Sub-Topics	No. of Questions	Total Marks
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<b>Dental</b>		<b>60</b>	<b>60 Marks</b>
	General Human Biology & Disease		
	General & Dental Anatomy		
	General & Dental Physiology		
	General And Dental Pharmacology.		
	Dental Radiology		
	General Dentistry Including Oral Surgery, chair side assisting		
	Orthodontics		
	General & oral Hygiene, Nutrition, Community Welfare, Conservative & Preventive Dentistry, Dental Hygiene And Oral Prophlaxis		
	Common dental procedures		
	Conservative & Preventive Surgery		
	Tobacco & dentistry		
	Emergency management of hypersensitive reactions		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **JR. SANITARY INSPECTOR (T) T&S GR. D**

<b>Topics</b>	<b>Sub-Topics</b>	<b>No. of Questions</b>	<b>Total Marks</b>
<b>Sanitary Inspector</b>		<b>60</b>	<b>60 Marks</b>
	Food & Nutrition		
	Water Sanitation		
	Air Sanitation		
	Noise		
	Refuse Disposal		
	Night Soil Disposal		
	Sewage Disposal		
	Burial Or Funeral Ground		
	Control Of Biological Environment &		
	Prevention Of Water & Vector Borne Disease		
	Housing		
	Fairs And Festivals		
	Occupational Health		
<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **LAB TECHNICIAN (PATHOLOGIST) (T) T&S GR. C**

<b>Topics</b>	<b>Sub-Topics</b>	<b>No. of Questions</b>	<b>Total Marks</b>
<b>Lab Technician</b>		<b>60</b>	<b>60 Marks</b>
	Anatomy		
	Clinical Biochemistry - biochemical parameters		
	Microbiology		
	Haematology and parasitology		
	Blood Bank Management		
	Clinical Pathology		
	Malaria, Dengue, Chronic Kidney disease, LFT, Diabetes		
<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		



## **Dietician (T) T&S Gr. C**

Topics	Sub-Topics	No. of Questions	Total Marks
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Dietician		60	60 Marks
	Role of calcium and vitamin D in Human body		
	Dietary management of Diabetes with Gluten Enteropathy		
	Dietary management in Neurological Disorders		
	Commercial food supplements versus Hospital cooked feeds		
	Liver the key metabolic of our body		
	Dietary management in menopause		
	Enteral tube feeding management		
	Physiology of digestion		
	Diet contraindication in diseases		
	Calculation of calories in diet		
	Dietary management in cancer & cardiac cases		
	Management of obesity		
	Fluids & Na+ K+ Ca+ Vit in diet		
	Avitamisos&Hypervitaminosis		
	Drugs in dietitians armory		

General Knowledge		20	20 Marks
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **Physiotherapist (T) T&S Gr. C**

Topics	Sub-Topics	No. of Questions	Total Marks
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<b>Physiotherapy</b>		<b>60</b>	<b>60 Marks</b>
	Physical Therapy In Surgical Conditions		
	Bio-Mechanics And Kinesiology		
	Disability Prevention And Prehabilitation		
	Anatomy		
	Orthopaedics / Traumatology		
	Pain relief		
	Physical Therapy In Medical Conditions		
	Management of low back ache & frozen shoulder		
	Exercise Therapy & Massage		
	Electro Therapy&Actino Therapy		
	Equipment in physiotherapy		
	Physical Therapy In Surgical Conditions		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		

## **Jr. ECG Technician (T) T&S Gr. D**

Topics	Sub-Topics	No. of Questions	Total Marks
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<b>ECG</b>		<b>60</b>	<b>60 Marks</b>
	Introduction to ECG		
	Basic principles-ECG		
	Electrophysiology of the heart		
	Description of the ECG		
	Working principle		
	ECG recording basics		
	ECG lead basics		
	The normal ECG		
	Normal sinus rhythm		
	Diagnosis		
	Sinus rhythm disturbances		
	AV node dysfunction		
	Atrial abnormalities		
	Hypertrophy		
	Ischemic heart disease		
	Drugs which alter ECG's		

<b>General Knowledge</b>		<b>20</b>	<b>20 Marks</b>
	Awards and Honors		
	Books		
	Culture		
	Current events		
	Geography		
	History		
	Sports and Games		