

Syllabus for various posts in Paramedical Categories - CEN 02/2019		
Cat. No	Post	Syllabus
1	Dietician	Introduction to Human Biology and Body Functions, Nutrients (Role and Significance), Understanding Nutrition (Basic diets for normal conditions/RDA) ' Advanced Nutrition, Introduction to Nutraceuticals, Introduction to Special Conditions and Diet Therapy, Introduction to Clinical Nutrition, Food Microbiology, Recommended Approaches to Disease and Nutrition, Nutritional Biochemistry, Research Method Statistics, Medical Nutrition management, Path Physiology and Metabolism in Disease, Public Nutrition and Health, Pediatric and Geriatric Nutrition, Food Allergies and Diet Management
2	Staff Nurse	Anatomy, Physiology, Nutrition, Biochemistry, Nursing Foundations, Psychology, Microbiology, Sociology, Pharmacology, Pathology, Genetics, Medical-Surgical Nursing, (Adult including Geriatrics)- I, Community Health Nursing, Child Health Nursing, Mental Health Nursing, Midwifery and Obstetrical Nursing, Nursing Research & Statistics, Management of Nursing Services and Education
3	Dental Hygienist	Dental Hygiene AND Oral Prophylaxis, Community Health Dentistry, Operative Room Technique and Chair Side Assistance, Dental Ethics and Jurisprudence, Dental Materials, Anatomy (General & Dental), Physiology (General & Oral), Pharmacology (General & Dental), Pathology & Bacteriology (General & Dental), Dental Radiology
4	Dialysis Technician	Anatomy, Biochemistry & Pharmacology, Physiology, Introduction to Kidney diseases, Principles and practice of Dialysis
5	Extension Educator	Methodology and Perspectives of Social Sciences, The Essence of Sociology, Social Research Methods, Foundations of Sociological Thought, Social stratification, Environment and Society, Modern Sociological Theories, Perspectives on Indian Society, Culture and Personality, Industry and Society, Open course, Crime and Society, Gerontology, Sociology of Development, Tribal Society in India
6	Health & Malaria Inspector Grade Iii	Food & Nutrition, Environmental Sanitation and Sanitary Engineering, Communicable and Non-Communicable Diseases (Prevention and Control), Health and Death Statistics
7	Lab Superintendent Grade-111	Sociology & Psychology, PHYSIOLOGY, Basic Chemistry and Biochemistry, General Methodology, PHYSICS, Histopathology and cytology techniques, Clinical pathology & basic haematology, PARASITOLOGY & ENTOMOLOGY, Clinical biochemistry, Coagulation & transfusion medicine, Immunohaematology, VIROLOGY, MYCOLOGY, ADVANCED SEROLOGY
8	Optometrist	Physical and Geometrical Optics, General Anatomy and General Physiology, Ocular Anatomy and Ocular Physiology, Basic Biochemistry, Nutrition, Principles of Lighting, Hospital Procedures, Optometric Optics, Ocular Diseases, Visual Optics, Pharmacology, Pathology and Microbiology, Optometric Instruments, Clinical Examination of Visual System, Clinical Psychology, Clinics, Binocular vision, Glaucoma, Low Vision Aids, Dispensing Optics, Pediatric Optometry and Geriatric Optometry, Contact Lens, Law & Optometry and Occupational Optometry, Systemic Diseases, Epidemiology and Bio Statistics, Public Health and Community Optometry

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9	Perfusionist	Basies of Anatomy, Basies of Physiology, Basies of Bioehemistry, Basies of Bio-statisties, Basies of Pathology, Basies of Blood Banking, Basies of Mierobiology, Basies of Central Sterilization Serviees, Hospital Awareness, Familiarization of different tables/tubes in surgieal department, Surgieal Awareness, preparation of patient for surgery, Patient related serviees, Anatomy, Physiology, Basies of Diagnostie teechniques, Angiography, Oxygenators, Theory of Blood Pump, Gross Anatomy and Struetural Features of Heart, Oxygenation, Monitoring, Instrumentation and measurements, Patho Physiology and Pharmaeology & Perfusion Teehniques, Adequaey of Perfusion, Applied Perfusion Teehnology, Introdution ta Perfusion Teehnology, Perfusion Equipments, Biomedieal Eleetronies, Perfusion problems during radio pulmonary bypass, Cardio Pulmonary By-Pass, Clinieal Applieation of Bypass Teehniques, Oeeupational Aspeets of Perfusion, Postoperative Intensive Care unit Management, Instrumentation Study, Instrument Measurement & Critieal Care equipment.
10	Physiotherapist	Psyehology & Soeiology, Anatomy, Physiology, Applied Physiology, Basie and Applied Physies for Physiotherapy, Basie Nursing & First Aid, Orientation ta Physiotherapy, General Medieine/General Surgery/Paediatrics/ Geriatrics, Bio-meehanies, Applied Anatomy & Kinesiology, Exereise Therapy, Mierobiology and Pathology, Eleetrotherapy(low & medium frequeny). Eleetrotherapy (high freq & Aetinotherapy). Community Medieine, Clinieal Orthopaedies, Clinieal Cardio-Respiratory Diseases, Bio Statistics & Researeh Methodology, Physieal Modalities Maintanenee, PT in Orthopaedies, PT in Neurology, Pt in Cardio Respiratory Conditions, Rehabilitation Medieine, Advaneed Physiotherapeuties, Physieal Edeuation
11	Pharmaeist Grade- Iii	Human Anatomy and Physiology, Pharmaeeutial Analysis, Pharmaeeuties, Pharmaeeutial Inorganie Chemistry, Remedial Biology/Remedial Mathematies, Pharmaeeutial Organie Chemistry, Bioehemistry, Pathophysiology, Computer Applieations in Pharmaey, Environmental seienees, Physieal Pharmaeeuties, Pharmaeeutial Mierobiology, Pharmaeeutial Engineering, Medieinal Chemistry, Pharmacology, Pharmacognosy and Phytoehemistry, Industrial Pharmaey, Pharmaeeutial Jurisprudenee, Herbal Drug Teehnology, Biopharmaeeuties and Pharmaeokineties, Pharmaeeutial Bioteehnology, Quality Assurane, Instrumental Methods of Analysis, Pharmaey Praetiee, Novel Drug Delivery System, Biostatisties and Researeh Methodology, Soeial and Preventive Pharmaey, Pharma Marketing Management, Pharmaeeutial Regulatory Seienee, Pharmacovigilane, Quality Control and Standardization of Herbals, Computer Aided Drug Design, Cell and Moleeular Biology, Cosmetie Seienee, Experimental Pharmacology, Advaneed Instrumentation Teehniques, Dietary Supplements and Nutraeeutieals
12	Radiographer	Human Anatomy & Physiology, Radiology Physies, General Physies, Radiation Physies & Physies of Diagnostie Radiology, X-Ray Maehines & Aeessories, Maintenane, X-ray Film / Image proeessing Teehniques (Dark Room Teehniques), Clinieal Radiography-Positioning, Medieal Ethies and patient eare, Prineiples of Medieal Emergenies, Equipments, Teehniques of moderm Imaging Modalities, Contrast & Speeial Radiography praedures, Quality Control at Radiology & Radiation Safety
13	Speeeh Therapist	Sound and Hearing, Anatomy and Physiology of ear, Hearing loss, Evaluation of hearing, Early identifiation and prevention, Speeeh & Language Pathology, Anatomy and physiology of speeeh meehanism, Disorders of speeeh and language, Assessment of speeeh disorders, Assessment of language disorders, Hearing aids and earmolds, Auditory learning, Speeeh reading, Edeuation of ehildren with hearing impairment, Rehabilitation, Disability issues, Management of speeeh disorders, Management of language disorders, Edeueational issues, General issues in management
14	ECG Teehnieian	Anatomy, Physiology, Bioehemistry, Pharmaeology, Introdution ta Cardiovaselar Diseases, Basie Cardiovaselar Investigations, Advaneed Cardiovaselar Investigations
15	Lady Health Visitor	Community Health Nursing, Health Promotion, Primary Health Care, Midwifery, Child Health Care Nursing, Health Center Management
16	Lab Assistant Grade 11	Anatomy, Physiology, Bioehemistry, Fundamentals of Medieal laboratory Teehnology, Mierobiology, Clinieal bioehemistry, Pathology & Histopathology, Haematology and Blood and bank