

Syllabus and Curriculum
of
Diploma in Occupational Therapy
Technician course

(To be implemented From 2022-23 session)

Uttar Pradesh State Medical Faculty, Lucknow.

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OBJECTIVES OF THE COURSE

To prepare an **Occupational therapy technician** who –

- Can assess & identify problems related to functional performance.
- Can use clinical reasoning skills in problem-solving.
- Can use early intervention programme for high risk infants & developmental disabilities
- Can maintain rich communication with related consultant surgeons & physicians & follow their order
- Can give psychological support to the patients and their relatives.

Outline of Curriculum
of
Diploma in Occupational Therapy
Technician course

FIRST YEAR

THEORY (Classes: 9 AM to 12 Noon)

First paper : Syllabus covers -

1. General Anatomy & Physiology (Cytology, Histology, Osteology and only basics of all organ systems of body).
2. Only basics of relevant Psychology, Pathology, Pharmacology & Microbiology.

Second paper : Syllabus covers -

1. Detailed Anatomy of bones, muscles, joints, nerves of body.
2. Basics of biomechanics & kinesiology, exercise therapy & electrotherapy.
3. Fundamentals of Occupational Therapy.
4. Hand hygiene , Basic life support (BLS) & Cardio-pulmonary resuscitation (CPR).

FIRST YEAR

PRACTICAL (Classes: 1 PM to 4 PM)

Practical classes will be after lunch; from 1 PM to 4 PM.

Students must present in the hospital/ occupational therapy lab for practicals.

During first year, they should be there only as “Observers” in practical classes.

(Observership for Various techniques of exercise therapy, electrotherapy and occupational therapy.)

Following subjects must be taught; though there will not be any exam from these-

1. Basic Computer skills.
2. Basic English.
3. Soft skills like interpersonal relationship skills and moral education.

Outline of Curriculum
of
Diploma in Occupational Therapy
Technician course

SECOND YEAR

THEORY (Classes:9 AM to 12 Noon)

First paper : Syllabus covers -

1. Surgical & medical conditions including pediatrics relevant to Occupational therapy (other than Orthopedics and neurological systems).
2. Nursing Procedures like vital recording, IM/IV/SC injection, Oxygen therapy, Nebulization, IV infusion.

Second paper : Syllabus covers -

1. Occupational therapy in Orthopaedics, Neurological, Medical, Surgical & Sports related conditions.
2. Occupational therapy in rehabilitation.
3. Occupational therapy in pediatrics and developmental disabilities.

SECOND YEAR

PRACTICAL (classes:9 AM to 12 Noon)

Practical exams syllabus should cover-

- Hands on training of ADL and Ergonomics.
- Hands on training of various exercise therapies.
- Hands on training of various electrotherapies.
- Hands on training of BLS.

ELIGIBILITY CRITERIA FOR ADMISSION & DURATION OF THE COURSE

COURSE DURATION:-

- It is 2 years, **full time** Diploma Course.

ELIGIBILITY:-

- Candidate must have passed 12th with
Physics, Chemistry, Biology

Or

Physics, Chemistry, Maths

with 35% marks in Intermediate exams.

(From UP board or any other recognised board).

- Candidate must have completed age of 17 years of age as on 31st December of admission year. There is no maximum age limit for the admission.

SCHEME OF EXAMINATION

FIRST YEAR

<u>Paper</u>	<u>Subjects</u>	<u>Mark</u>	<u>Internal Assessment Marks</u>	<u>Total Marks</u>	<u>Pass Marks</u>	<u>Duration of Exam.</u>
First Paper Theory	1. General Anatomy & Physiology (Cytology, Histology, Osteology and only basics of all organ systems of body). 2. Only basics of relevant Psychology, Pathology, Pharmacology & Microbiology.	75	25	100	50	3 Hours
Second Paper Theory	1. Detailed Anatomy of bones, muscles, joints, nerves of body. 2. Basics of biomechanics & kinesiology, exercise therapy & electrotherapy. 3. Fundamentals of Occupational therapy. 4. Hand hygiene, Basic life support (BLS) & Cardio-pulmonary resuscitation (CPR).	75	25	100	50	3 Hours
Practical	Oral & Practical	75	25	100	50	3 Hours

SCHEME OF EXAMINATION

SECOND YEAR

<u>Paper</u>	<u>Subjects</u>	<u>Mark</u>	<u>Internal Assessment Marks</u>	<u>Total Marks</u>	<u>Pass Marks</u>	<u>Durationo Exam.</u>
First Paper Theory	<ol style="list-style-type: none"> 1. Surgical & medical conditions including pediatrics relevant to Occupational therapy (other than Orthopedics and neurological systems). 2. Nursing Procedures like vital recording, IM/IV/SC injection, Oxygen therapy, Nebulization, IV infusion. 	75	25	100	50	3 Hours
Second Paper Theory	<ol style="list-style-type: none"> 1. Occupational therapy in Orthopaedics, Neurological, Medical, Surgical & Sports related conditions. 2. Occupational therapy in rehabilitation. 3. Occupational therapy in pediatrics and developmental disabilities. 	75	25	100	50	3 Hours
Practical	Oral & Practical	75	25	100	50	3 Hours

SCHEDULE OF COURSE

(List of holidays, Total hours, Subject wise allotment of hours)

- **List of Holidays:-**

Sundays	- 52 days
Summer vacation	- 10 days
Winter vacation	- 10 days
Gazetted holidays	- 23 days
Preparatory holidays	- 10 days
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Total Holidays	- 105 days
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- **Total Hours :-**

Theory classes per day	- 3 Hours
Practical classes per day	- 3 Hours
Total hours per day	- 6 Hours
Total days & hours in One year (after deduction of holidays)	- 260 days or - 1560 Hours

SCHEDULE OF COURSE

Subject wise allotment of hours

FIRST YEAR

Theory (780 Hours) Practical (780 Hours)

<u>First Paper Theory</u>	1.General Anatomy & Physiology (Cytology, Histology, Osteology and only basics of all organ systems of body).	230 Hrs
	2.Only basics of relevant Psychology, Pathology, Pharmacology & Microbiology.	100 Hrs
<u>Second Paper Theory</u>	1.Detailed Anatomy of bones, muscles, joints, nerves of body.	190 Hrs
	2. Basics of biomechanics & kinesiology, exercise therapy & electrotherapy.	160 Hrs
	3. Fundamentals of Occupational Therapy	20 Hrs
	4. Hand hygiene , Basic life support (BLS) & Cardio-pulmonary resuscitation (CPR).	10 Hrs
<u>Third Paper Practical</u>	As described in curriculum	780 Hrs
<u>Theory: Other Subjects</u> (These subjects must be taught; though there will not be any exam from these)	1.Basic Computer skills.	30 Hrs
	2.Basic English.	30 Hrs
	3. Soft skills like interpersonal relationship skills and moral education.	10 Hrs

SCHEDULE OF COURSE

Subject wise allotment of hours

SECOND YEAR

Theory (780 Hours) Practical (780 Hours)

<u>First Paper Theory</u>	1. Surgical & medical conditions including pediatrics relevant to Occupational therapy (other than Orthopedics and neurological systems).	280Hrs
	2. Nursing Procedures like vital recording, IM/IV/SC injection, Oxygen therapy, Nebulization, IV infusion.	20 Hrs
<u>Second Paper Theory</u>	1. Occupational therapy in Orthopaedics, Neurological, Medical, Surgical & Sports related conditions.	400 Hrs
	2. Occupational therapy in rehabilitation.	30 Hrs
	3. Occupational therapy in pediatrics and developmental disabilities.	50 Hrs
<u>Third Paper Practical</u>	As described in curriculum	780 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 1st Theory	Topics	Hours.
1. General Anatomy & Physiology (Cytology, Histology, Osteology and only basics of all organ systems of body).	1. General Orientation about parts of human body. Various terms used in Anatomy. Total numbers of bones, their names & location. Basic idea about organization of body, from cell to organ systems.	06 Hrs
	2. Structure of Animal cell, Cell organelles & their functions	06 Hrs
	3. Human tissue, types, structure & functions.	10 Hrs
	4. Osteology: Names, location, identification and basic details of all bones. (Details of skull bones is not required).	20 Hrs
	5. Joints: types, basic structure & examples.	06 Hrs
	6. Skin & appendages.	02 Hrs
	7. GIT: : Location, Gross structure, various parts & their functions. Details of process of food ingestion, digestion, absorption & defaecation. (Microscopic structure is not required.)	20 Hrs
	8. Respiratory tract: Location, Gross structure, various parts & their functions. Details of breathing mechanism, different respiratory volumes. (Microscopic structure is not required.)	20 Hrs
	9. Urinary tract: Gross structure, various parts & their functions. (Microscopic structure is not required.) Process of urine formation & voiding.	20 Hrs
	10. Male reproductive system: Only gross structure & functions of different parts. (Microscopic structure is not required.)	05 Hrs
	11. Female reproductive system: Only gross structure & functions of different parts. (Microscopic structure is not required.) Menstrual cycle.	05 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 1st Theory	Topics	Hours.
1.General Anatomy & Physiology (Cytology, Histology, Osteology and only basics of all organ systems of body).	12. Endocrine system: Hormones secreted by Pituitary, Thyroid, Parathyroid, Pancreas, Adrenal cortex, Adrenal medulla, Gonads & functions of different hormones. (Details of structure of these glands not required).	20 Hrs
	13. Gross structure of brain & spinal cord. Functions of different parts of brain & spinal cord.(Details not required.)	20 Hrs
	14. Blood: Composition & Functions. Details about Plasma, RBCs, WBCs, Platelets, Clotting system.	25 Hrs
	15. Gross structure & functions of sensory Organs - Eye, Ear, Nose, Tongue.(Details not required).	20 Hrs
	16. Basic gross structure of heart, vessels opening into heart & Leaving the heart. Arterial & Venous tree of body.	20 Hrs
	17. Lymphatic system: Structure & Functions.	10 Hrs
	18. Immune system: Components & various mechanisms of defense.	10 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 1st Theory	Topics	Hours.
2.Only basics of relevant Psychology Pathology, Pharmacology & Microbiology.	1. Basics of Psychology, Developmental theories and growth behaviours	02 Hrs
	2. Basics of intelligence, Personality and learning	02 Hrs
	3. Basics of sensation and attention and perception	02 Hrs
	4. Basics of Health Psychology	02 rs
	5. Basic steps of Acute & chronic inflammation.	02 Hrs
	6. Basics of Necrosis & apoptosis.	02 Hrs
	7. Basics of Shock.	02 Hrs
	8. Basics of Disorders of blood coagulation system.	06 Hrs
	9. Basics of Disorders of Immune system of body.	04 Hrs
	10. Modes of disease transmission & prevention of infection.	05 Hrs
	11. Sterilization & methods of sterilization used in hospitals.	08 Hrs
	12. Basic idea about types of Bacteria, Virus, Fumgi.	20 Hrs
	13. Rouths of drug administration.	02 Hrs
	14. Adverse effects & side effects of drugs.	02 Hrs
	15. Basic idea of Analgesics : Opioid & NSAIDs & Skeletal muscle relaxants .	06 Hrs
	16. Basic idea of Drugs use in Cough & expectoration.	01 Hrs
	17. Basic idea of Drugs used in B.asthma & COPD.	02 Hrs
	18. Basic idea of Drugs used in GIT.	08 Hrs
	19. Basic idea of Anti Microbials.	20 Hrs
	20. Basic idea of Anti H-1 Histaminics & Corticosteroids.	02 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 2nd Theory	Topics	Hours.
1.Detailed Anatomy of bones, muscles, joints, nerves of body.	1. General structure of long bone, flat bones (Histology & gross).	05 Hrs
	2. Detailed Histology & Physiology of skeletal muscles, ligaments & tendons.	10 Hrs
	3. Details of bones of upper limb.	05 Hrs
	4. Details of bones of lower limb.	05 Hrs
	5. Details of bones of vertebral column.	03 Hrs
	6. Details of ribs & sternum.	02 Hrs
	7. Details of muscles of upper limb (origin, insertion, action, nerve supply & surface marking).	25 Hrs
	8. Details of muscles of lower limb (origin, insertion, action, nerve supply & surface marking).	25 Hrs
	9. Details of muscles of abdomen & pelvic floor (origin, insertion, action, nerve supply & surface marking).	10 Hrs
	10. Details of muscles of neck (origin, insertion, action, nerve supply & surface marking).	05 Hrs
	11. Details of shoulder girdle, Shoulder, Elbow, Wrist, Hip, Knee & ankle, sub talar joints).	35 Hrs
	12. Details of Basics of other joints of body.	10 Hrs
	13. Details of Brachial, sacral & lumbar plexus.	20 Hrs
	14. Details of spinal & cranial nerves.	20 Hrs
	15. General structure of Arteries, veins, capillaries.	05 Hrs
	16. Arterial & Venous tree of body.	05 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 2nd Theory	Topics	Hours.
2. Basics of biomechanics & kinesiology, exercise therapy & electrotherapy.	1. <u>Mechanical Principles:-</u> Definition of Biomechanics, Axis and Planes, Kinematics, Kinetics, gravity, centre of gravity, line of gravity, base of support, Equilibrium, fixation and stabilization, force, types of forces, levers of the body and their mechanical advantage, pulleys, springs, Elasticity, type of muscle contraction, range of muscle work, the group action of muscles, spurt and shunt muscles	15 Hrs
	2. Gait	10 Hrs
	3. Posture	05 Hrs
	4. Joint structure and function of all joints of the body -type, articulating surface, osteokinematics, Arthrokinematics, Pathomechanics.	20 Hrs
	5. Physics and Basic Electrical Components. Electromagnetic radiation, conductors, & Non Conductors of electricity, Transmission of heat, Physical effects of heat, static electricity, electric shock, earth shock.	10 Hrs
	6. Methods of heating the tissue. Physiological effects of heat, Paraffin wax bath, Hot packs, moist packs, Infra-red rays, U.V. rays. Definition, production, preparation of apparatus & patient, Physiological effects, techniques, dosage, indication, contraindication, dangers and precautions are to be covered.	10 Hrs
	7. Low Frequency Currents. Faradic & Galvanic currents, SD Curve, Iontophoresis, TENS. Definition, production, preparation of apparatus & patient, Physiological effects, techniques, dosage, indication, contraindication, dangers and precautions are to be covered.	20 Hrs
	8. Cryotherapy definition, production, preparation of apparatus & patient, Physiological effects, techniques, dosage, indication, contraindication, dangers and precautions	10 Hrs
	9. Medium Frequency current. definition, production, preparation of apparatus & patient, Physiological effects, techniques, dosage, indication, contraindication, dangers and precautions	10 Hrs
	10. HIGH FREQUENCY CURRENTS SWD, MWD, US. definition, production, preparation of apparatus & patient, Physiological effects, techniques, dosage, indication, contraindication, dangers and precautions	20 Hrs

Details of Curriculum for First Year Diploma in Occupational Therapy Technician

PAPER 2nd Theory	Topics	Hours.
2. Basics of biomechanics & kinesiology, exercise therapy & electrotherapy.	11. <u>LASERS</u> Definition, Types, Production, Indications, contraindications Technique of Application	10 Hrs
	12. Mechanical traction and CPM Uses and Technique of application, Precautions.	10 Hrs
	13. <u>MASSAGE THERAPY</u> History and development, Types and techniques, Physiological and therapeutic effects of various Manipulations, Indications and contraindications, Massage protocol for various conditions.	10 Hrs
PAPER 2nd Theory	Topics	Hours.
3. Fundamentals of Occupational Therapy	1. History of Occupational Therapy: Describe the history and development of Occupational Therapy internationally, describe the present development of O.T in India, including organization and functions of All India Occupational Therapist's Association. 2. An overview of Occupational Therapy: Define Occupational Therapy, Discuss the scope of O.T in a major hospital for Paediatrics, Physical and Psychiatric Disorders, Discuss the scope of O.T in the community 3. Occupational Therapy and the Rehabilitation team: Describe Occupational Therapy's contribution as part of the total rehabilitation team, Briefly outline the roles of the different team members. 4. Occupation as Therapy: Analysis of roles, occupations, tasks, activities & performance components, Selection, Gradation and Adaptation. 5. Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL)	10 Hrs
	1. Therapeutic movements and exercises in OT: Principles of therapeutic exercises, Types of muscle contractions (Isotonic, isometric muscle contractions), Types of therapeutics movements (Passive, Active, Active assisted and resistive movements), Briefly outline isometric, progressive resistive and regressive resistive exercises. 2. Overview of Assessments: Reflexes (superficial and deep tendon reflexes), Muscle tone, Range of Motion, Muscles strength, Voluntary control, Coordination, Sensation (cutaneous and cortical), Cognitive - Perceptual functions, Hand functions.	10 Hrs
PAPER 2nd Theory	Topics	Hours.
4. Hand hygiene , Basic life support (BLS) & Cardio-pulmonary resuscitation (CPR).	1. Hand hygiene & method of Hand washing. 2. Prevention of cross infection.	5 Hrs
	2. Details of basic life support (BLS) & Cardio-pulmonary resuscitation (CPR).	5 Hrs

Curriculum
for
Practical :- First Year
Diploma in Occupational Therapy
Technician

Practical	Topics
	1. Observing various types of electro therapies.
	2 Observing various types of exercise therapy.
	3.Care of Unconscious patient.
	4.Monitoring Temperature(manual).
	5.Monitoring Pulse (manual).
	6.Monitoring Respiration (manual).
	7.Monitoring BP (manual).
	8.Basic life support (BLS).

Details of Curriculum for Second Year Diploma in Occupational therapy Technician

PAPER 1st Theory	Topics	Hours.
Surgical & medical conditions including pediatrics relevant to Occupational therapy (other than Orthopedics and neurological systems).	1. History taking. General examination of the patient. Filling Case-sheet. Common clinical words.	10 Hrs
	2. Hypertension:- Def, Causes, Pathology, Clinical features, Investigation & Management.	05 Hrs
	3. Hypotension :- Def, Causes, Pathology, Clinical features, Investigation & Management.	02 Hrs
	4. Diabetes mellitus :- Def, Causes, Pathology, Clinical features, Investigation & Management.	10 Hrs
	5. <u>Diseases of blood</u> :- Anaemia, Basics of coagulation Bleeding disorders & Haemophilia.	20 Hrs
	6. <u>Respiratory Tract</u> :- Pneumonia, Tuberculosis, B. asthma, COPD, Bronchiectasis, Collapse of lung, Pneumonitis, Pleural effusion, Pneumothorax, Empyema thoracis, Cancer lung.	40 Hrs
	7. <u>Diseases of GIT & Liver & GB</u> :-Reflux Oesophagitis, Peptic ulcers, Gastritis, Intestinal Obstruction, Hepatitis, Cirrhosis of liver, Cholecystitis.	40 Hrs
	8. <u>Disease of Heart</u> :- CHF, Cardiac arrest, Ischemic heartdisease, Rheumatic Heart diseases.	30 Hrs
	9. <u>Diseases of Urinary tract</u> :- Urolithiasis, Benign prostatic hyperplasia.	03 Hrs
	10. <u>Endocrine system</u> :- Diabetes mellitus, hypo & Hyper thyroidism.	20 Hrs
	11. <u>Miscellaneous</u> :- Hypo & Hyper Natraemia, Hypo & Hyper Kalaemia, Hypo & Hyper Calcaemia.	10 Hrs
	12. <u>Infections diseases</u> :- TB, Typhoid, Malaria, Dengue fever, Leprosy, AIDS, Amoebiasis.	50 Hrs
	13. Burn & Occupational therapy management of burn.	05 Hrs
	14. Describe growth and development of a child from birth to 12 years: including gross motor, fine motor, social and adaptive development	04 Hrs
	15. Briefly outline associated defects: Mental retardation, microcephaly, blindness, hearing and speech impairment, squint and convulsions. Briefly outline treatment	04 Hrs
	16. Define and briefly outline etiology- Prenatal, perinatal and postnatal causes; briefly mention pathogenesis, types of cerebral palsy (Classification)	02 Hrs

Details of Curriculum for Second Year Diploma in Occupational Therapy Technician

PAPER 1st Theory	Topics	Hours.
2.Nursing Procedures like vital recording, IM/IV/SC injection, Oxygen therapy, Nebulization, IV infusion.	1. Temperature monitoring & Fever.	02 Hrs
	2. Pulse monitoring.	02 Hrs
	3. BP monitoring.	02 Hrs
	4. Respiration monitoring.	01 Hrs
	5. Types of Injection routes.	01 Hrs
	6. IM Injection.	01 Hrs
	7. IV Injection.	01Hrs
	8. SC Injection.	01 Hrs
	9. Oxygen Therapy.	03 Hrs
	10. Nebulization	03 Hrs
	11. IV Infusion (Also with infusion pump).	01 Hrs
	12. Care of Unconscious patient.	02 Hrs

Details of Curriculum for Second Year Diploma in Occupational Therapy Technician

PAPER 2nd Theory	Topics	Hours.
1. Occupational Therapy in Orthopaedics, Neurological, Medical, Surgical & Sports related conditions	1. Details of examination of nervous system.	20 Hrs
	2. Details of Stroke & role of Occupational therapy in Stroke.	30 Hrs
	3. Details of Meningo-encephalitis & role of Occupational therapy in Meningo-encephalitis. .	20 Hrs
	4. Details of Epilepsy & role of Occupational therapy in Epilepsy.	10 Hrs
	5. Details of Intracranial bleed & Head injury & role of Occupational therapy in Intracranial bleed & Head injury.	30 Hrs
	6. Details of Traumatic Para & Quadriplegia & role of Occupational therapy in Traumatic Para & Quadriplegia.	30 Hrs
	7. Details of Facial nerve palsy & role of Occupational therapy in Facial nerve palsy.	10 Hrs
	8. Details of Parkinsonism & role of Occupational therapy in Parkinsonism.	05 Hrs
	9. Details of M.gravis & role of Occupational therapy in M. gravis.	05 Hrs
	10. Details of Motor neuron diseases, GB syndrome & role of Occupational therapy in Motor neuron diseases, GB syndrome.	20 Hrs
	11. Details of cerebral palsy & role of Occupational therapy in Cerebral palsy.	10 Hrs
	12. Details of Ataxia & role of Occupational therapy	05 Hrs
	13. Details of Types of fracture, basic principle of management of all types of fractures.	15 Hrs
	14. Details of Important fractures & role of Occupational therapy in Important fractures.	40 Hrs
	15. Details of Osteo-arthritis, Rheumatoid arthritis, Gouty arthritis, ankylosing spondylitis & role of Occupational therapy in Osteo-arthritis, Rheumatoid arthritis, Gouty arthritis, ankylosing spondylitis	20 Hrs
	16. Details of Tennis elbow, Golfer's elbow, Tenosynovitis, Plantar fascitis & role of Occupational therapy in Tennis elbow, Golfer's, elbow Tenosynovitis, Plantar fascitis.	10 Hrs

Details of Curriculum for Second Year Diploma in Occupational Therapy Technician

PAPER 2nd Theory	Topics	Hours.
1. Occupational Therapy in Orthopaedics, Neurological, Medical, Surgical & Sports related conditions	17. Basics of Subluxation & dislocations of joints & role of Occupational therapy in Subluxation & dislocations of joints.	20 Hrs
	18. Details of Osteoporosis, Osteomalacia & role of Occupational therapy in Osteoporosis, Osteomalacia.	10 Hrs
	19. Details of PIVD & role of Occupational therapy in PIVD.	10 Hrs
	20. Details of Spondylolisthesis & role of Occupational therapy in Spondylolisthesis.	05 Hrs
	21. Various types of sprains & strains & their basic principle of management.	15 Hrs
	22. Details of CTEV & role of Occupational therapy in CTEV.	05 Hrs
	23. Details of Scoliosis, lordosis, Kyphosis & role of Occupational therapy in Scoliosis, lordosis, Kyphosis.	05 Hrs
	24. Basic idea of Genu/ cubitus varum, Genu/cubitus valgum,	05 Hrs
	25. Details of TB of Bone, Osteomyelitis & role of Occupational therapy in TB of Bone, Osteomyelitis.	15 Hrs
	26. Orthosis & Prosthesis used in Orthopaedics.	30 Hrs

Details of Curriculum for Second Year Diploma in Occupational therapy Technician

PAPER 2 nd Theory	Topics	Hours.
2. Occupational therapy in rehabilitation	1. OT role in medical and surgical conditions, and rehabilitation methods for people with residual disability	10 Hrs
	2. Occupational Therapy for person with multiple disabilities	03 Hrs
	3. Geriatric Rehabilitation	02 Hrs
	4. Long term care, Hospital care, Hand Splinting, Ventilator care including sensory stimulation.	15Hrs

PAPER 2 nd Theory	Topics	Hours.
3. Occupational therapy in pediatrics and developmental disabilities.	1. Physical development- Gross and Fine motor, Reflex development, Perceptual, Cognitive, Social, emotional, Language and Self-care and Play development	10 Hrs
	2. Psychological reactions to disability in childhood and OT role, Psychological aspects of hospitalization and OT role.	10 Hrs
	3. TREATMENT APPROACHES - (Children's activities): Play Therapy, Creative activities. Bobath NDT, Rood's neuromuscular facilitation, Ayre's Sensory Integration Approach.	10 Hrs
	4. Paediatric Splinting and Adaptive Devices: Including, seating devices, Adaptations for feeding, Mobility and Ambulatory devices, Indication and use of splint for correction of CDH.	10 Hrs
	5. Cardio respiratory conditions of childhood and Cerebral palsy	10Hrs

Curriculum
for
Practical :- Second Year Diploma in
Occupational Therapy Technician

Practical	Topics
	1. Hands on training on various conditions related to orthopedic conditions.
	2. Hands on training on various conditions related to neurological conditions.
	3. IM Injection.
	4. IV Injection.
	5. SC Injection.
	6. Hands on training on various pediatric conditions and developmental disabilities.
	7. Hands on training on various rehabilitation programs.