



**Government of Jammu and Kashmir**  
Government Medical College & Associated Hospitals Srinagar  
10-Karan Nagar, Srinagar, J&K-190010  
(Hospital Section)



**Subject:** Syllabi of Occupational Therapist/ Jr. Occupational Therapist and Special Educator posts for engagement on Academic Arrangement Basis in terms of S.O. 364 of 2020 Dated: 27<sup>th</sup> of November 2020, advertised vide Advertisement Notification No. 05-AH of 2024 Dated: 05-12-2024.

**NOTICE**

This Institution vide Advertisement notification No. 05-AH of 2024 Dated: 05-12-2024 has advertised posts of Occupational Therapist/ Jr. Occupational Therapist and Special Educator posts among others for engagement of candidates on Academic Arrangement Basis in terms of S.O. 364 of 2020 Dated: 27<sup>th</sup> of November 2020. The syllabi for these posts are hereby notified as **Annexure 'A' & 'B'** to this notice, for publicity and information of the concerned applicants.

S. No.	Name of the Post	Syllabus Annexure
1.	Occupational Therapist/ Jr. Occupational Therapist	Annexure 'A'
2.	Special Educator	Annexure 'B'

  
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Administrator,

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Dated: 07-02-2026

No: GMCS/H4-56/2026/ 0622-26

Copy for information to the:

1. Principal/Dean Govt. Medical College Srinagar.
2. Joint Director Information, Kashmir with the request that this notice may kindly be published in the prominent local dailies.
3. Controller of Examination Cell (Secrecy), Govt. Medical College Srinagar for information and necessary action.
4. I/c website Govt. Medical College Srinagar with the direction to upload the notice on the official website of this Institution for information of the concerned candidates.
5. Office copy.

**ANNEXURE-A**

**SYLLABUS FOR OCCUPATIONAL THERAPIST/JR. OCCUPATIONAL THERAPIST**

**ANATOMY**

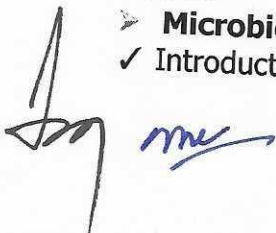
- **General Introduction**
  - ✓ Histology
  - ✓ Osteology
  - ✓ General Embryology
- **Systems of the Human body**
  - ✓ Blood Vascular System
  - ✓ Respiratory System
  - ✓ Digestive System
  - ✓ Urogenital System
  - ✓ Endocrine System
  - ✓ Integumentary System
  - ✓ Surface Anatomy
- **Neuroanatomy**
- **Muscular Skeletal System**
  - ✓ Myology
  - ✓ Osteology & Arthrology
  - ✓ Radiological Anatomy

**PHYSIOLOGY**

- **General Introduction**
  - ✓ Cell Introduction
  - ✓ Skin
  - ✓ Blood and Lymph
- **Physiology of the Systems of the body**
  - ✓ Digestion
  - ✓ Circulation
  - ✓ Excretion
  - ✓ Respiration
  - ✓ Endocrine System
  - ✓ General Metabolism
  - ✓ Neurophysiology
  - ✓ Muscle Physiology
  - ✓ Physiology of exercise and work

**PATHOLOGY AND MICROBIOLOGY**

- **Pathology**
  - ✓ Introduction
  - ✓ Bacterial, viral and Parasitic Infections
  - ✓ Inflammation and repair, degeneration, necrosis, and Gangrene Page 57 of 97
  - ✓ Hemorrhage, shock, embolism, thrombosis
  - ✓ Tuberculosis
  - ✓ Tumors
  - ✓ Blood
- **Microbiology**
  - ✓ Introduction and History of microbiology



- ✓ Microorganisms
- ✓ Disinfection and Antiseptics
- ✓ Sterilization and asepsis
- ✓ Non-specific immunity
- ✓ Outline of common pathogenic bacteria and diseases produced by them - Treatment and prevention

### **PHARMACOLOGY AND BIOCHEMISTRY**

- • **Pharmacology**
  - ✓ General action of drugs
  - ✓ Drug allergy and idiosyncrasy
  - ✓ Drug toxicity
  - ✓ Methods of administration
  - ✓ Immunologic agents
  - ✓ Diagnostic agents
- • **Biochemistry**
  - ✓ Biochemical characteristics of living matter
  - ✓ Biochemistry morphology of cell
  - ✓ Nucleic acids
  - ✓ Proteins
  - ✓ The enzymes
  - ✓ Metabolism
  - ✓ Hormones
  - ✓ Common procedures used in biochemistry

### **SOCIOLOGY**

- ✓ Introduction
- ✓ Sociology and Health
- ✓ Socialization
- ✓ Social Groups
- ✓ Family
- ✓ Community
- ✓ Culture
- ✓ Caste System
- ✓ Social Change
- ✓ Social Control
- ✓ Social problems of the disabled
- ✓ Social Security
- ✓ Social Worker

### **GENERAL AND HEALTH PSYCHOLOGY**

- General and Health Psychology
  - ✓ Definition of Psychology
  - ✓ Heredity and environment
  - ✓ Development and Growth behavior
  - ✓ Intelligence
  - ✓ Motivation
  - ✓ Emotions
  - ✓ Personality
  - ✓ Learning





- ✓ Thinking
- ✓ Frustration
- ✓ Sensation, Attention and Perception
- ✓ Democratic and authoritarian leadership
- ✓ Defense mechanisms of the EGO

- Health Psychology
- ✓ Psychological reactions of a patient
- ✓ Reactions to loss
- ✓ Stress
- ✓ Communications
- ✓ Compliance
- ✓ Emotional needs
- ✓ Geriatric Psychology
- ✓ Pediatric Psychology
- ✓ Behavior Modification
- ✓ Substance abuse
- ✓ Personality styles

### **ORTHOPAEDICS**

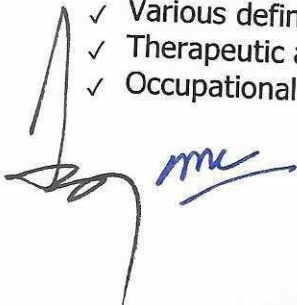
- ✓ Introduction to orthopedics
- ✓ Principles of operative treatment
- ✓ Sprains and muscle strains
- ✓ Sports injuries
- ✓ Fractures & Dislocations
- ✓ Upper limb fractures & Dislocations
- ✓ Lower Limb Fractures & Dislocations
- ✓ Spinal Fractures and Dislocations
- ✓ Recurrent Dislocations
- ✓ Amputations
- ✓ Bone & Joint infections
- ✓ Bone joint Tumors
- ✓ Chronic Arthritis
- ✓ Spinal Deformities
- ✓ Poliomyelitis
- ✓ Congenital Deformities
- ✓ Peripheral nerve injuries
- ✓ Hand injuries
- ✓ Leprosy

### **BIOMECHANICS & KINESIOLOGY**

- ✓ Mechanics
- ✓ Joint structure and function
- ✓ Muscle structure and functions
- ✓ Posture & gait

### **FUNDAMENTAL OF OCCUPATIONAL THERAPY**

- ✓ General Objectives
- ✓ Specific objectives of the Course
- ✓ Various definition and functions of occupational therapy
- ✓ Therapeutic activities
- ✓ Occupational therapy as diagnostic and Prognostic Procedure



- ✓ Dosage in occupational therapy
- ✓ Importance of interest in occupational therapy
- ✓ Occupational Therapist
- ✓ Different types of evaluations and their importance
- ✓ Co-ordination
- ✓ Contracture & Deformities
- ✓ Fatigue
- ✓ Neurological disorders

### **THERAPEUTIC ACTIVITY MODALITIES**

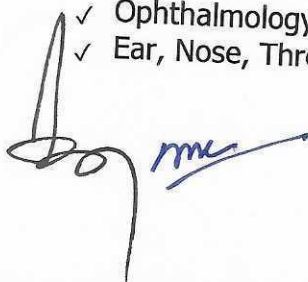
- ✓ Classification of therapeutic activities
- ✓ Knowledge of different machines and equipments used in occupational therapy
- ✓ Handicrafts in relation to occupational therapy
- ✓ Definitions materials, equipments and Therapeutic values of the following activities modalities

### **GENERAL MEDICINE**

- ✓ Introduction
- ✓ Bacterial Diseases
- ✓ Viral Diseases
- ✓ Metabolic and Deficiency Diseases
- ✓ Diseases of Respiratory System
- ✓ Diseases of Circulatory System
- ✓ Diseases of Digestive System
- ✓ Disease of liver
- ✓ Diseases of Kidney
- ✓ Diseases of skin
- ✓ Psychiatry
- ✓ Mental retardation
- ✓ Therapies

### **GENERAL SURGERY**

- ✓ Introduction
- ✓ Shock
- ✓ Hemorrhage
- ✓ Blood Transfusion
- ✓ Anesthesia
- ✓ Wounds
- ✓ Wound Infections
- ✓ Tumors and Ulcers
- ✓ Burns
- ✓ Skin Grafting
- ✓ Hand Infections
- ✓ General Injuries
- ✓ Complications of surgery
- ✓ Abdominal Surgery
- ✓ Thoracic and Cardiac Surgery
- ✓ Obstetrics and Gynecology
- ✓ Ophthalmology
- ✓ Ear, Nose, Throat (ENT)



## **PAEDIATRICS AND GERIATRICS**

- Pediatrics
- ✓ Review normal foetal development & Child birth, including assessment of a neonate
- ✓ Congenital & acquired Cardio-pulmonary disorders
- ✓ Congenital & acquired neurological disorders
- ✓ Hereditary disorders • Geriatrics
- ✓ Normal aging
- ✓ The examination & assessment of a geriatric patient
- ✓ Musculo skeletal disorders
- ✓ Cardio pulmonary disorders
- ✓ Neurological disorders
- ✓ Diet & Nutritional requirement of the elderly
- ✓ Dementia

## **FUNDAMENTALS OF OCCUPATIONAL THERAPY**

- ✓ Posture
- ✓ Dynamic & Realistic approach to occupational therapy
- ✓ Ward & Bed side Occupations
- ✓ Establishment of occupational therapy, Deptt in a Hospital inclusive of organizations and administration of Department.
- ✓ Wheel Chair
- ✓ Orthopedic appliances
- ✓ Contraction
- ✓ Mobility and Limitations
- ✓ Goniometry or Arthorometry
- ✓ Muscle weakness
- ✓ Motivation in occupational Therapy
- ✓ Assistive apparatus for U.E & L.E
- ✓ Occupational Therapy as a supportive measure in General Hospital
- ✓ Motivation in Occupational Therapy
- ✓ Occupational Therapy as a supportive measure in General Hospital
- ✓ Definition, Scope, Importance of A.D.L, Goals of self Help Devices, teaching A.D.L in the following areas
  - Wheel Chair activities
  - Bed Activities
  - Self Care Activities

## **OCCUPATIONAL THERAPY IN ENVIRONMENT AND OCCUPATIONAL HEALTH**

- • Environment
- ✓ Definition
- ✓ Cultural and religious thought of environment
- ✓ Increasing population
- ✓ Land, Water, Air and sound pollution
- ✓ Causes of Environment Pollution
- ✓ Contamination of environment and basic rights
- ✓ Environment Education and Preservation of forests, environment
- ✓ Family pollution & its prevention
- ✓ Curbing measures in Occupational Therapy in population
- • Occupational Health
- ✓ Definition
- ✓ O.T measures in work and health
- ✓ Social context of occupational Health





- ✓ Epidemiology & Occupational Hygiene
- ✓ Occupational safety as applied to O.T
- ✓ Prevention of accidents and overt trauma
- ✓ Occupational ergonomics through work designs
- ✓ Ethics in occupational Health
- ✓ Hazardous work place exposures

### **NEUROLOGY**

- ✓ Degenerative disorders
- ✓ Infections
- ✓ Diseases of the Muscle
- ✓ Peripheral nerve disorders
- ✓ Epilepsy
- ✓ Myasthenia Gravis
- ✓ Intracranial Tumors
- ✓ Motor neuron disease
- ✓ Cranial nerve
- ✓ Introduction to neuropsychology

### **RESEARCH METHODOLOGY AND BIOSTATISTICS**

- ✓ Introduction
- ✓ Ethical issues in research, elements of informed consent
- ✓ Structure of a research proposal
- ✓ Research Question including literature review
- ✓ Measurement: Principles of measurement reliability and validity
- ✓ Experimental sampling and design
- ✓ Descriptive research
- Biostatistics
- ✓ Descriptive statistics
- ✓ Comparison of means, t-tests
- ✓ Analysis of variance
- ✓ Multiple comparisons
- ✓ Non-parametric statistics
- ✓ Correlation

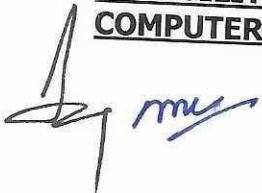
### **OCCUPATIONAL THERAPY IN MEDICAL AND SURGICAL CONDITIONS**

- ✓ Occupational Therapy in pediatrics
- ✓ Occupational Therapy in geriatrics
- ✓ Occupational Therapy in Hemiplegia
- ✓ Occupational Therapy in Arthritic conditions and Burns
- ✓ Occupational Therapy in Myopathies & Muscular Disorders
- ✓ Occupational Therapy in Poliomyelitis
- ✓ Occupational Therapy in Cerebral Palsy
- ✓ Occupational Therapy in Visually Handicapped
- ✓ Occupational Therapy in Extra Pyramidal Disorders
- ✓ Occupational Therapy in communication Disorders

### **OCCUPATIONAL THERAPY IN MENTALLY DISADVANTAGED & MENTAL HEALTH**

### **REHABILITATION ORGANIZATION AND ADMINISTRATION**

### **COMPUTER APPLICATION IN OCCUPATIONAL THERAPY.**



## ANNEXURE-B

### SYLLABUS FOR SPECIAL EDUCATOR

#### SEMESTER-I

- Human Growth and Development.
- Contemporary India and Education
- Introduction to Sensory Disabilities(VI, HI, Deaf-blind)
- Introduction to Neuro-Developmental Disabilities(LD,ID/MR,ASD, **ADHD**)
- Introduction to loco-motor & Multiple Disabilities (Deaf-blind ,CP, MD)
- Assessment and Identification of Needs.
- Practical: Cross Disability and Inclusion. (**Behavioral & Emotional Disorders**)

#### SEMESTER-II

- Learning, Teaching and Assessment.
- Pedagogy of school subjects (Any One from Part-I to Part-V)
- Pedagogy of school subjects(Any One from Part-I to Part-V)
- Inclusive Education
- Curriculum Designing, Adaptation and Evaluation.
- Practical: Disability specialization.

#### SEMESTER-III

- Educational Intervention and Teaching Strategies.
- Technology and Disability
- Psycho-Social and Family Issues
- Practical: Disability Specialization.
- Main Disability special school(Related in Area C)
- Reading and Reflecting on Tests(EPC)
- Drama and Art in Education (EPC).
- (**Development of individualized Educational Plan – IEP**)

#### SEMESTER-IV

- Skill based Optional Course(Cross Disability and inclusion) Any one
- Skill based optional course (specialization disability) Any one
- Basic Research & Basic Statistic (EPC)
- Practical: Cross Disability and Inclusion
- Other disability special school
- Inclusive school
- **RPWD Act 2016, NEP 2020, Smagra Shiksha Guidelines**
- **Rights & Welfare schemes for PwDs.**
- **Ethics & responsibilities of special educators.**
- **Parental & community involvement.**

