



**M.Ed. Spl. Ed. (Intellectual Disability) (Master of Education-Special Education
 Semester (II))**

Course Code	PE02SMES03	Title of the Course	THERAPEUTICS AND ASSISTIVE DEVICES
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"> 1. Gain knowledge about speech and language therapy. 2. Understand the meaning and interventions of physiotherapy. 3. Use occupational therapy for PwID. 4. Comprehend and apply behavioural techniques for interventions. 5. Select and use appropriate assistive devices for PwID.
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Course Content		
Unit	Description	Weightage* (%)
1.	Language Speech and Communication 1.1 Nature, Definition, Scope, functions and development of language, Speech and Communication 1.2 Critical period and its importance in speech and language development 1.3 Modes of communication, (Aural, Oral, Finger Spelling, Sign and Sign Language, Cued, Speech and Total Communication) 1.4 Types of speech and language disorders in PwID 1.5 Enhancing and integrating speech and language into classroom context	20
2.	Physiotherapy 2.1 Physiotherapy – Nature, Definition, objectives, Scope and functions 2.2 Modalities used in physiotherapy for persons with ID and its Associated Conditions 2.3 Movements and postures of human body 2.4 Specific conditions and physiotherapy management – Cerebral palsy, Spina bifida, Muscular dystrophy and Poliomyelitis 2.5 Integrating Physiotherapy into classroom context	20
3.	Occupational Therapy 3.1 Occupational therapy– Nature, Definition, objectives, Scope and functions 3.2 Modalities of Occupational Therapy for persons with ID with associated Conditions 3.3 Hand Functions– Types of grasps, grip, development, and eye-hand coordination 3.4 Sensory Integration – Nature, Development & Importance	20





	3.5 Integrating Occupational therapy into classroom context	
4.	Behaviour Modification 4.1 Aim, scope and importance of Behaviour Modification 4.2 Types of Behaviour– Adaptive and Maladaptive 4.3 Identification of Problem Behaviours, and Functional Analysis 4.4 Strategies for Behaviour Modification and Differential Reinforcement 4.5 Integrating Behaviour Modification in classroom context	20
5.	Assistive Devices 5.1 Definition, Importance and types of Assistive Devices for Independent Living 5.2 Different types of assistive devices for ID, HI, VI & Locomotor disability 5.3 Assessment of PWID needs to identify the appropriate assistive devices 5.4 Selection & use of appropriate Assistive Devices for PWID and Maintenance 5.5 Schemes of MoSJE– ADIP Scheme, DDRS and SC/ST scheme	20

Teaching-Learning Methodology	Lecture- cum- discussion, group discussion, reflective talk, questioning, individual and group assignment through self –study in library and presentation in seminar, practicum, project work etc.
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Sr. No.	<i>Course Work/ Practical/ Field Engagement</i>
1.	To visit any two therapy centers and prepare and submit a report on available clinical facilities
2.	To present a case study on Behaviour Modification.
3.	To present a Seminar on Role & functions of RCI and Various Schemes of MoSJE for PwID
4.	To Prepare/Design appropriate adaptive and assistive device for PwID

<i>Evaluation Pattern</i>		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	20%
2.	Internal Continuous Assessment in the form of Practical, Assignment submission, Viva-voce, Seminar presentation,	10%





	Attendance	
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to

1.	The learners will be able to gain knowledge about speech and language therapy
2.	The learners will be able to understand the meaning and interventions of physiotherapy and occupational therapy.
3.	The learners will be able to select and use appropriate assistive devices for PwID
4.	The learners will be able to comprehend and apply behavioural techniques for interventions

Essential & Suggested References:

S. No.	References
1.	Antony, M.M., & Roemer, E. (2003). Behavior therapy. In A.S. Gurman & S.B. Messer (Eds.), Essential psychotherapies (2nd ed., pp. 182-223). Guilford, New York.
2.	Breines, E (1990). Genesis of occupation: A philosophical model for therapy and theory. Australian Occupational Therapy Journal, 37(1), 45-49.
3.	Colman, W. (1992). Maintaining autonomy: The struggle between occupational therapy and physical medicine. American Journal of Occupational Therapy, 46, 63-70.
4.	Hocking, C. (2004). Making a difference: The romance of occupational therapy. South African Journal of Occupational Therapy, 34(2), 3-5.
5.	McColl, M. A., Law, M., Stewart, D., Doubt, L., Pollack, N., & Krupa, T. (2003) Theoretical basis of occupational therapy (2nd Ed). New Jersey, SLACK Incorporated.
6.	O'Leary, K. D., & Wilson.G.T.(1975). Behavior Therapy: Application and Outcome. Prentice-Hall, New Jersey.
7.	Peshwaria, R., & Venkatesan. S. (1992) Behavioural approach in teaching mentally retarded children - A manual for Teachers. NIMH, Secunderabad.





8.	Robertson, D. (2010). The Philosophy of Cognitive–Behavioural Therapy: Stoicism as Rational and Cognitive Psychotherapy. Karnac. London.
9.	Yerxa, E. J. (1983). Audacious values: the energy source for occupational therapy practice in G. Kielhofner (1983) Health though occupation: Theory and practice in occupational therapy. Philadelphia, FA Davis.
10.	Yerxa, E., Clark, F., Jackson, J., Pierce, D., & Zemke, R. (1989). An introduction to occupational science, A foundation for occupational therapy in the 21st century. Haworth Press.
11.	American Physical Therapy Association Section on Clinical Electrophysiology and Wound Management."Curriculum Content Guidelines for Electrophysiologic Evaluation" (PDF). Educational Guidelines. American Physical Therapy Association. Retrieved 29 May 2008.
12.	Clark, D. M., & Fairburn, C.G. (1997). Science and Practice of Cognitive Behaviour Therapy. Oxford University Press. New York.
13.	Lindsley, O., Skinner, B.F., & Solomon, H.C. (1953). "Studies in behavior therapy (Status Report I)". Metropolitan State Hospital. Walthama.
14.	Martin, G.; & Pear, J. (2007). Behavior modification: What it is and how to do it (Eighth Edition). Pearson Prentice Hall, New Jersey.
15.	O'Leary, K.D., & Wilson, T.G.(1975). Behavior Therapy: Application and Outcome, 12-14.: Prentice-Hall, New Jersey.
16.	Thorndike, E.L. (1911), "Provisional Laws of Acquired Behavior or Learning", Animal Intelligence. The McMillian Company, New York.
17.	Wolpe, J. (1958). Psychotherapy by Reciprocal Inhibition. Stanford University Press, California.

On-line resources to be used if available as reference material

On-line Resources

