

# Contents

## Section 1: Specific Learning Disorders

<b>1. Introduction to Learning Disabilities (Definition, Prevalence, Neurobiology, Risk Factors).....</b>	<b>3</b>
SLD Definition	3
To Summarize	4
Classification of SLD	4
Neurobiology of Dyslexia	6
Etiological Theories of Dyslexia	7
<b>2. Early Signs of Learning Disabilities: Various Presentations (Primary School, Middle School, High School).....</b>	<b>9</b>
Language—Receptive	9
Language—Expressive	9
Motor coordination	10
Orientation	10
Behavior	10
<b>3. Types of Learning Disabilities and Characteristics (Dyslexia, Dysgraphia, Dyscalculia, Nonverbal Learning Disabilities) .....</b>	<b>12</b>
Dyslexia	12
Dysgraphia	15
Dyscalculia	17
<b>4. Comorbidities in Specific Learning Disorders.....</b>	<b>18</b>
Comorbidities with SLD	18
<b>5. Management of Child with SLD .....</b>	<b>19</b>
Sample Questions	20
When LD is Suspected	21
<b>6. Assessments .....</b>	<b>23</b>
Goals of Evaluation	23
Use of Standardized Tests	24
Useful Tests to be Familiar with	24
Test Used for Educational Assessment	26
Limitations of the Tests	27

<b>7. Management of Learning Disabilities (Treatment of Medical Conditions, Remedial Teaching, Classroom Support, Parent Counselling).....</b>	<b>28</b>
Management in the Primary School	28
Management in Higher Classes	29
Facilities Available for Children with LD	32
National Institute of Open Schooling	32
<b>8. Educational Accommodations, Modifications, Exemptions, and Concessions .....</b>	<b>34</b>
Modifications	35
Exemptions and Concessions	35
Medical Certificate	35

## Section 2: Autism Spectrum Disorders

<b>9. Introduction to Autism Spectrum Disorders (Definition, Prevalence, Etiology, Neurobiology) .....</b>	<b>43</b>
Prevalence	44
Etiology and Neurobiology	44
Conditions Known to be Associated with ASD	45
<b>10. Early Signs, Red Flags, Screening in Autism Spectrum Disorders .....</b>	<b>46</b>
Early Signs and Symptoms	46
Social-Emotional and Communication Developmental Milestones	46
Early Signs and Symptoms	48
Clinical Clues/Red Flags for Possible ASD	49
Screening of ASD	50
<b>11. Assessments, Investigations for Autism Spectrum Disorders.....</b>	<b>51</b>
<b>12. Management of Autism Spectrum Disorders.....</b>	<b>52</b>
Management	52
Use of Medications	53
Alternative Therapies	53

## Appendices

<b>Appendix I .....</b>	<b>54</b>
Gross Motor Activities	54
<b>Appendix II .....</b>	<b>56</b>
Body Image and Body Awareness Activities	56

<b>Appendix III.....</b>	<b>57</b>
Fine Motor Activities	57
Blackboard Activities	58
Visual Tracking Activities	58
<b>Appendix IV.....</b>	<b>59</b>
Teaching Strategies for Reading: Some Rules	59
Consonants	59
Vowels	60
Syllabication	61
<b>Appendix V.....</b>	<b>62</b>
Teaching Strategies to Help Children Develop Handwriting Skills	62
<b>Appendix VI.....</b>	<b>64</b>
Teaching Strategies for math difficulties	64
<b>Links .....</b>	<b>66</b>
<b>Suggested Reading .....</b>	<b>67</b>
<b>Index.....</b>	<b>69</b>