



**NETAJI SUBHAS OPEN UNIVERSITY**

**STUDY MATERIAL**

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 1**

**DEVELOPMENTS IN EDUCATION  
AND SPECIAL EDUCATION**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A 1: DEVELOPMENTS IN EDUCATION AND  
SPECIAL EDUCATION**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - A CORE COURSE**  
**COURSE CODE-A 1**  
**TITLE-DEVELOPMENTS IN EDUCATION AND SPECIAL EDUCATION**

<b>Chairman</b>	<b>Prof. Subha Sankar Sarkar</b> , Vice Chancellor, Netaji Subhas Open University, Kolkata-700 064
<b>Convenor</b>	<b>Prof. Atindranath Dey</b> , Director, School of Education, Netaji Subhas Open University, Kolkata-700 064

**RCI Expert Committee**

<b>Dr. Jayanthi Narayan</b>	Former Deputy Director, NIMH, Secunderabad.
<b>Dr. Varsha Gathoo</b>	Head and Reader, Department of Education, AYJNISHD (D), Mumbai.
<b>Dr. Sanjay Kumar</b>	Assistant Professor, DSMNRU, Lucknow,
<b>Shri Ashok Chakraborty</b>	Ex- Chairperson, ZCC, RCI & Secretary, SHELTER.
<b>Dr. Hemant Singh Keshwal</b>	Assistant Prof. of Special Education and Centre In- Charge, NIEPID- RC, Kolkata.
<b>Shri Suman Kumar</b>	Assistant Professor of Speech & Hearing, AYJNISHD- RC, Kolkata.
<b>Professor A. N. Dey</b>	Director, School of Education, NSOU.
<b>Smt. Antara Choudhury</b>	Assistant Professor of Special Education, School of Education, NSOU.

**NSOU Expert Committee [Board of Studies (BoS)]**

<b>Professor A. N. Dey</b>	Director, School of Education, NSOU.
<b>Professor Dulal Mukhopadhyay</b>	Professor of Education (Retd), NSOU.
<b>Shri Ashok Chakraborty</b>	Ex- Chairperson, ZCC, RCI & Secretary, SHELTER,
<b>Professor Debasri Banerjee</b>	Professor of Education, Department of Education, University of Calcutta
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<b>Smt. Antara Choudhury</b>	Assistant Professor of Special Education, School of Education, NSOU.
<b>Dr. Abhedananda Panigrahi</b>	Coordinator, B. Ed., SoE, NSOU.
<b>Shri Prabir Naskar</b>	Assistant Professor of Special Education, SoE, NSOU.

**Title : Developments in Education and Special Education**

<b>Unit</b>	<b>Name of the Unit Writer</b>	<b>Name of the Editor</b>
<b>Unit-1</b>	Dr. Keka Trivedi, Asst. Prof., PGIEW, Chandannagar, Hooghly, W.B.	Prof. Sanat Kumar Ghosh, Prof. of Education, SoE, NSOU
<b>Unit-2</b>	Dr. Shyamashree Sur, Asst. Prof., Siddhinath Mahavidyalaya, Panskura, Purba Mednipur, W.B.	
<b>Unit-3</b>	Dr. Abhedananda Panigrahi, Coordinator, B.Ed. NSOU, W.B.	
<b>Unit-4</b>	Dr. Sairindhree Sen, Asst. Prof., Gopal Ch. Memorial College of Edu., W.B.	
<b>Unit-5</b>	Dr. Priyanka Bose (Das), Asst. Prof. Budge Budge College, (S) 24Pgs., W.B.	
<b>General and Format Editing</b>		Smt. Swapna Deb, Consultant, SoE, NSOU., Smt. Mandira Chakraborty, Academic Consultant, SoE, NSOU
<b>Programme Coordinator</b>		Smt. Antara Choudhury, Asst. Professor of Special Education, School of Education, NSOU.

The Self Instructional Material (SIM) is prepared keeping conformity with the M.Ed.Spl. Edn.(HI/ID) Programme as prepared and circulated by the Rehabilitation Council of India, New Delhi and adopted by NSOU on and from the 2020-2022 academic session.

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**Mohan Kumar Chattopadhyay**

Registrar

## Prologue

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**Professor (Dr.) Subha Sankar Sarkar**  
Vice-Chancellor, NSOU

First Edition : December, 2019

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University Grants Commission, Government of India



# NETAJI SUBHAS OPEN UNIVERSITY

STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 2**

**PSYCHOLOGY OF DEVELOPMENT  
AND LEARNING**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A 2 : PSYCHOLOGY OF DEVELOPMENT AND  
LEARNING**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A 2**  
**PSYCHOLOGY OF DEVELOPMENT AND LEARNING**

<b>Chairman</b>	<b>Prof. Subha Sankar Sarkar</b> , Vice Chancellor, Netaji Subhas Open University, Kolkata-700 064
<b>Convenor</b>	<b>Prof. Atindranath Dey</b> , Director, School of Education, Netaji Subhas Open University, Kolkata-700 064

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<b>Dr. Varsha Gathoo</b>	Head and Reader, Department of Education, AYJNISHD (D), Mumbai.
<b>Dr. Sanjay Kumar</b>	Assistant Professor, DSMNRU, Lucknow,
<b>Shri Ashok Chakraborty</b>	Ex- Chairperson, ZCC, RCI & Secretary, SHELTER.
<b>Dr. Hemant Singh Keshwal</b>	Assistant Prof. of Special Education and Centre In- Charge, NIEPID- RC, Kolkata
<b>Shri Suman Kumar</b>	Assistant Professor of Speech & Hearing, AYJNISHD- RC, Kolkata.
<b>Professor A. N. Dey</b>	Director, School of Education, NSOU.
<b>Smt. Antara Choudhury</b>	Assistant Professor of Special Education, School of Education, NSOU.

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<b>Professor Debasri Banerjee</b>	Professor of Education, Department of Education, University of Calcutta
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<b>Professor Swapan Kr. Sarkar</b>	Head, SoE, NSOU
<b>Prof. Sanat Kumar Ghosh</b>	Professor of Education, SoE, NSOU.
<b>Professor Sumanta Chattaraj</b>	Professor of Education, SoE, NSOU.
<b>Smt. Swapna Deb</b>	Consultant, SoE, NSOU.
<b>Smt. Antara Choudhury</b>	Assistant Professor of Special Education, School of Education, NSOU.
<b>Dr. Abhedananda Panigrahi</b>	Coordinator, B. Ed., SoE, NSOU.
<b>Shri Prabir Naskar</b>	Assistant Professor of Special Education, SoE, NSOU.

**Title : PSYCHOLOGY OF DEVELOPMENT AND LEARNING**

<b>Unit</b>	<b>Name of the Unit Writer</b>	<b>Name of the Editor</b>
<b>Unit-1</b>	Dr. Urmi Chakraborty, Asst. Professor of Psychology, Govt. College of Education, Banipur, W.B.	Prof. Swapan Kumar Sarkar, HoD, SoE, NSOU. & Dr. Papiya Upadhyay, Assistant Professor of Education, SoE, NSOU
<b>Unit-2</b>	Dr. Parimal Sarkar, Asst. Professor of Education, SoE, NSOU	
<b>Unit-3</b>	Ms. Aditi Biswas, Lecture in Psychology, NIEPID, RC, Mumbai.	
<b>Unit-4</b>	Dr Jayashree Banerjee, Principal of Gangadharpur Sikshan Mandir, W.B.	
<b>Unit-5</b>	Ms. Aditi Biswas, Lecturer in Psychology, NIEPID, RC, Mumbai	
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<b>Programme Coordinator</b>		Smt. Antara Choudhury, Asst. Professor of Special Education, School of Education, NSOU.

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**Mohan Kumar Chattopadhyay**  
Registrar



## Prologue

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The conceptual gamut of Education and Special Education has been extended to a broad spectrum. Helen Keller has rightly discerned that *"Have you ever been at sea in a dense fog, when it seemed as if a tangible white darkness shut you in and the great ship, tense and anxious, groped her way toward the shore with plummet and sounding-line, and you waited with beating heart for something to happen? I was like that ship before my education began, only I was without compass or sounding line, and no way of knowing how near the harbour was. "Light! Give me light!" was the wordless cry of my soul, and the light of love shone on me in that very hour."* So education is the only tool to empower people to encounter his/her challenges and come over being champion. Thus the professional Teacher Education program in Special Education can only groom the personnel as required to run such academic institutions which cater to the needs of the discipline.

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**Professor (Dr.) Subha Sankar Sarkar**  
Vice-Chancellor, NSOU

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**NETAJI SUBHAS OPEN UNIVERSITY**

**STUDY MATERIAL**

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 3**

**RESEARCH METHODOLOGY  
AND STATISTICS**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A 3: RESEARCH METHODOLOGY AND  
STATISTICS**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A 3**  
**RESEARCH METHODOLOGY AND STATISTICS**

<b>Chairman</b>	<b>Prof. Subha Sankar Sarkar</b> , Vice Chancellor, Netaji Subhas Open University, Kolkata-700 064
<b>Convenor</b>	<b>Prof. Atindranath Dey</b> , Director, School of Education, Netaji Subhas Open University, Kolkata-700 064

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<b>Dr. Hemant Singh Keshwal</b>	Assistant Prof. of Special Education and Centre In- Charge, NIEPID- RC, Kolkata
<b>Shri Suman Kumar</b>	Assistant Professor of Speech & Hearing, AYJNISHD- RC, Kolkata.
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<b>Dr. Abhedananda Panigrahi</b>	Coordinator, B. Ed., SoE, NSOU.
<b>Shri Prabir Naskar</b>	Assistant Professor of Special Education, SoE, NSOU.

**Title: Research Methodology and Statistics**

<b>Unit</b>	<b>Name of the Unit Writer</b>	<b>Name of the Editor</b>
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<b>Unit-2</b>	Dr. Parimal Sarkar, Asst. Professor of Education, SoE, NSOU	
<b>Unit-3</b>	Dr. Khagendranath Chattopadhyay, Associate Prof. of Edu., Burdwan University	
<b>Unit-4</b>	Dr. Shibananda Sana, Asst. Professor, Govt. Training College, Hoogly	
<b>Unit-5</b>	Dr. Papiya Upadhyay, Asst. Professor of Education, SoE, NSOU	
<b>General and Format Editing</b>		Smt. Swapna Deb, Consultant, SoE, NSOU. and Smt. Baby Dutta Choudhury, Academic Consultant, SoE, NSOU
<b>Programme Coordinator</b>		Smt. Antara Choudhury, Asst. Professor of Special Education, School of Education, NSOU.

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STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 4**

**CURRICULUM DESIGN  
AND DEVELOPMENT**



**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A4: CURRICULUM DESIGN AND DEVELOPMENT**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A J**  
**CURRICULUM DESIGN AND DEVELOPMENT**

<b>Chairman</b>	Prof. Subhojit Sarkar, Vice-Chancellor Netaji Subhas Open University, Kolkata-700064
<b>Convener</b>	Prof. Anindita Dey, Director, School of Education, Netaji Subhas Open University, Kolkata-700064
<b>RCT Expert Committee</b>	
Dr. Jayashri Narayan	Former Deputy Director, NIMH, New delhi/ahd
Dr. Varsha Gadhon	Head and Reader, Department of Education, AYINSHD(O), Mumbai
Dr. Sanjay Kumar	Assistant Professor, DSMNRU, Lucknow
Shri Ashok Chakrabarty	Ex-Chairperson ZCC, RCI & Secretary SHELTER.
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Smt. Antara Choudhury	Assistant Professor of Special Education, School of Education, NSOU
Dr. Abhijitanda Paulganti	Coordinator, B. Ed., SoE, NSOU
Shri Prabin Sarkar	Assistant Professor of Special Education, SoE, NSOU

**Title: Curriculum Design and Development**

Unit	Name of the Unit Writer	Name of the Editor
Unit-1	Dr. Piyali Ghosh, Asst. Prof. Sahini Girls College, Kolkata, WB	Prof. Sumitra Chattopadhyay, Professor of Education, SoE, NSOU
Unit-2	Dr. Parvina Sarkar, Asst. Professor of Education, SoE, NSOU	
Unit-3	Dr. Parvati Upadhyay, Asst. Professor of Education, SoE, NSOU	
Unit-4	Dr. Kavita Bhattacharya, Asst. Prof. WRITTEPA, Firstwale Day & Hart Training College, Kolkata, WB	
Unit-5	Dr. Pika Choudhury, Asst. Professor, Sanjapriya Roy College of Education, Kolkata, WB	
<b>General and Format Editing</b>		Smt. Swapna Deb, Consultant, SoE, NSOU and Smt. Babu Datta Choudhury, Academic Coordinator, School of Education, NSOU
<b>Programme Coordinator</b>		Smt. Antara Choudhury, Asst. Professor of Special Education, School of Education, NSOU

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**M. Ed. Special Education  
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Intellectual Disability) - ODL**

**A 5**

INCLUSIVE EDUCATION

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A 5: INCLUSIVE EDUCATION**

**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY**

**AND**

**REHABILITATION COUNCIL OF INDIA**



**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A 5**  
**INCLUSIVE EDUCATION**

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**Mohan Kumar Chattopadhyay**

Registrar

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Vice-Chancellor, NSOU



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# NETAJI SUBHAS OPEN UNIVERSITY

STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 6**

**PERSPECTIVES IN TEACHER  
EDUCATION-IN-SERVICE  
AND PRE- SERVICE**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODLL Programme**

**AREA - A**

**A 6 : PERSPECTIVES IN TEACHER EDUCATION:  
IN- SERVICE AND PRE- SERVICE**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A 6**

**PERSPECTIVES IN TEACHER EDUCATION: IN- SERVICE AND PRE- SERVICE**

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<b>Dr. Sanjay Kumar</b>	Assistant Professor, DSMNRU, Lucknow,
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<b>Smt. Antara Choudhury</b>	Assistant Professor of Special Education, School of Education, NSOU.

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<b>Shri Prabir Naskar</b>	Assistant Professor of Special Education, SoE, NSOU.

**Title : Perspectives in Teacher Education: in- Service and Pre- Service**

<b>Unit</b>	<b>Name of the Unit Writer</b>	<b>Name of the Editor</b>
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<b>Unit-2</b>	Sri Arup Mitra, Asst. Prof., Society for Mental Health Care, Katwa, W.B.	
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# NETAJI SUBHAS OPEN UNIVERSITY

STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**A 7**

EDUCATIONAL EVALUATION

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - A**

**A 7 : EDUCATIONAL EVALUATION**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**





**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - A 7**  
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<b>Shri Pratik Basak</b>	Assistant Professor of Special Education, SoE, NSOU

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<b>Unit-3</b>	Dr. Usha Kundu, Asst. Professor, Diamond Harbour Women's University, WB	
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STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**B 8 (I.D.)**

**IDENTIFICATION, ASSESSMENT  
AND NEEDS OF CHILDREN WITH  
INTELLECTUAL DISABILITY**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - B**

**B 8 I.D. : IDENTIFICATION, ASSESSMENT  
AND NEEDS OF CHILDREN WITH  
INTELLECTUAL DISABILITY**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
REHABILITATION COUNCIL OF INDIA**



**AREA - B**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - B 8 (I.D.)**  
**IDENTIFICATION, ASSESSMENT AND NEEDS OF CHILDREN WITH**  
**INTELLECTUAL DISABILITY**

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<b>Convener</b>	Prof. Arindranath Dey, Director, School of Education, Netaji Subhas Open University, Kolkata-700 064

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<b>Shri Pratik Naskar</b>	Assistant Professor of Special Education, SoE, NSOU

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**B 9 (I.D.)**

**CURRICULUM AND TEACHING  
STRATEGIES FOR CHILDREN WITH  
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**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - B**

**B 9 I.D. : CURRICULUM AND TEACHING  
STRATEGIES FOR CHILDREN WITH  
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NETAJI SUBHAS OPEN UNIVERSITY  
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**DISABILITY SPECIALIZATION**  
**COURSE CODE - B 9 (I.D.)**  
**CURRICULUM AND TEACHING STRATEGIES FOR CHILDREN WITH**  
**INTELLECTUAL DISABILITY**

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<b>Coeditor</b>	Prof. Arindamath Dey, Director, School of Education, Netaji Subhas Open University, Kolkata-700 064

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<b>Shri Prabir Naskar</b>	<b>Assistant Professor of Special Education, SoE, NSOU.</b>

**Title : Curriculum and Teaching Strategies for Children with Intellectual Disability**

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The Self Instructional Material (SIM) is prepared keeping conformity with the M. Ed Spl. Edu (MR, II) (NIP) Programme as prepared and sanctioned by the Rehabilitation Council of India, New Delhi and adopted by NSOU Council from the 2020-2022 academic session.

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**Mohan Kumar Chattopadhyay**  
Registrar

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# NETAJI SUBHAS OPEN UNIVERSITY

STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**B 10 (I.D.)**

**ADULTHOOD AND  
FAMILY ISSUES**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - B**

**B 10 (I.D.): ADULTHOOD AND FAMILY ISSUES**



**A COLLABORATIVE PROGRAMME OF  
NETAJI SUBHAS OPEN UNIVERSITY  
AND  
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**AREA - B**  
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**COURSE CODE-B10 (L.D.)**  
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**Title : Adulthood and Family Issues**

<b>Unit</b>	<b>Name of the Unit Writers</b>	<b>Name of the Editor</b>
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STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**B 11 (I.D.)**

**THERAPEUTICS AND  
ASSISTIVE DEVICES**

**M. Ed. Spl. Ed. (H.I. / I.D.)  
ODL Programme**

**AREA - B**

**B 11 I.D: THERAPEUTICS AND ASSISTIVE  
DEVICES**



**A COLLABORATIVE PROGRAMME OF  
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**AREA - B**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE: B 11 (I.D.)**  
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<b>Shri Prabir Naskar</b>	Assistant Professor of Special Education, SoE, NSOU.

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<b>Unit-3</b>	Mr. Thulasikanthan Mugesh , Faculty, Occupational Therapy, NIEPID, RC, Kolkata	
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<b>Programme Coordinator</b>		Smt. Antara Choudhury, Asst. Professor of Special Education, School of Education, NSOU.

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STUDY MATERIAL

**M. Ed. Special Education  
(Hearing Impairment /  
Intellectual Disability) - ODL**

**C 14**

**GUIDANCE AND COUNSELLING**



**M. Ed. Spl. Ed. (H.I./I.D.)  
ODL Programme**

**AREA - A**

**C 14 : GUIDANCE AND COUNSELLING**



**A COLLABORATIVE PROGRAMME OF  
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**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - C 14**  
**GUIDANCE AND COUNSELLING**

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