



**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.
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<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>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 : 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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# 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. 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.
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<b>Shri Suman Kumar</b>	Assistant Professor of Speech & Hearing, AYJNISHD- RC, Kolkata.
<b>Professor Swapan Kr. Sarkar</b>	Head, SoE, NSOU
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<b>Professor Sumanta Chattaraj</b>	Professor of Education, SoE, NSOU.
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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 : 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**  
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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>Smt. Swapna Deb</b>	Consultant, SoE, NSOU.
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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>
<b>Unit-1</b>	Dr. Papiya Upadhyay, Asst. Professor of Education, SoE, NSOU	Prof. Dulal Mukhopadhyay, Retd. Professor, SoE, NSOU, & Prof. Debasree Banerjee, Professor of Education, University of Calcutta, W.B.
<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  
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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
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<b>Dr. Hemant Singh Kishorai</b>	Assistant Prof. of Special Education and Centre in Charge, NIEPD-RC, Kolkata
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<b>Dr. Abhijitanda Paulganti</b>	Coordinator, B. Ed., SoE, NSOU
<b>Shri Prabin Sarkar</b>	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. Sumanika 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, Firstwile 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  
(Hearing Impairment /  
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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<b>Unit-5</b> Smt. Anura Choudhury, Asst. Prof. of Special Edu., SoE, NSOU	
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<b>Programme Coordinator</b>	Smt. Anura 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. (HMD) 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

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Vice-Chancellor, NSOU



First Edition . December. 2019

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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>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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# 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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**Title: Educational Evaluation**

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<b>Unit-4</b>	Su Palasi Das, Asst. Professor, WBUTTEPA, English & David Hoar Training College, Kolkata,	
<b>Unit-5</b>	Dr. Karthick Kumar Sarkar, Associate Professor and Officer-in-Charge, Govt Teachers' Training College, Malda	
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<b>Programme Coordinator</b>		Smt. Anura Choudhury, Asst. Prof. of Special Education, School of Education, NSOU

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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>Unit-4</b>	Shri Purnali Bera, Lecturer in Spl. Edu. NIEPD, R. C., Kolkata	
<b>Unit-5</b>	Ms. Ratuparna Sarkar, Lecturer, Abanipada Kendra, Kolkata	
<b>General and Format Editing</b>		Smt. Swapna Deb, Consultant, SoE, NSOU and Mandira Chakrabarty, Academic Consultant, School of Education, NSOU
<b>Programme Consultant</b>		Smt. Antara Choudhury, Assistant Professor of Special Education, School of Education, 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  
INTELLECTUAL DISABILITY**



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



**AREA - B**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - B 9 (I.D.)**  
**CURRICULUM AND TEACHING STRATEGIES FOR CHILDREN WITH**  
**INTELLECTUAL DISABILITY**

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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, 11/97) Programme as prepared/implemented 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

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**Professor (Dr.) Subha Sankar Sarkar**

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First Edition . December. 2019

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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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# NETAJI SUBHAS OPEN UNIVERSITY

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  
NETAJI SUBHAS OPEN UNIVERSITY  
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**AREA - B**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE: B 11 (I.D.)**  
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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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AND  
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**AREA - A**  
**DISABILITY SPECIALIZATION**  
**COURSE CODE - C 14**  
**GUIDANCE AND COUNSELLING**

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