



FACULTY OF EDUCATION
DEPARTMENT OF SPECIAL EDUCATION
Teaching Scheme Session 2022 - 2023

Program Name: B.Sc. + B.Ed. (Integrated)

Course: B.Sc. + B.Ed.

YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101101	Hindi- MIL-I	2
2	BS101102	English MIL-I	2
Elective Paper (Select any three Subjects from S. No. 3 to 9 and respective practical papers from S. No. 1 to 6)			
3	BS102104	Mathematics-I (Differential Calculus)	4
4	BS102105	Physics-I (Mechanics)	4
5	BS102106	Chemistry -I (Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons)	4
6	BS101104	Botany-I Biodiversity(Microbes, Algae, Fungi And Archegoniate)	4
7	BS101105	Zoology-I Animal Diversity	4
8	BS101106	Chemistry -I Conceptual Organic Chemistry	4
9	BS101107	Psychology-I Foundations of Psychology	4
10		Nature and Needs of Various disabilities	4
11		Family, community and children with disabilities.	4
12		Educational Psychology and person with Disabilities-I	2
Practical Papers			
1	BS101121	Botany Lab I	2
2	BS101122	Zoology Lab I	2
3	BS101123	Chemistry Lab I	2
4	BS101124	Psychology Lab I	2
5	BS102121	Mathematics Lab I	2
6	BS102122	Physics Lab I	2
7		Institutions Visit	1



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S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101201	Hindi- MIL-II	2
2	BS101202	English MIL-II	2
Elective Paper (Select any three Subjects from S. No. 3 to 9 and respective practical papers from S. No. 1 to 5)			
3	BS102204	Mathematics-II (Differential Equations)	6
4	BS102205	Physics-II (Electricity, Magnetism & EMT)	4
5	BS102206	Chemistry -II(Chemical energetics, equilibria & Organic Chemistry-I)	4
6	BS101204	Botany-II Plant Ecology And Taxonomy	4
7	BS101205	Zoology-II Comparative Anatomy And Developmental Biology Of Vertebrates	4
8	BS101206	Chemistry -II Molecules Of Life	4
9	BS101207	Psychology -II Introduction To Social Psychology	4
10		Educational Psychology and person with Disabilities -II	2
11		Educational Planning and Management, Curriculum Designing and research	4
12		Contemporary India and Education.	4
Practical Papers			
1	BS101221	Botany Lab II	2
2	BS101222	Zoology Lab II	2
3	BS101223	Chemistry Lab II	2
4	BS101224	Psychology Lab II	2
5	BS102222	Physics Lab II	2
6		Psychology Practical	1



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S. No.	Subject Code	Subject Title	Credit
Theory Papers			
Elective Paper (Select any three Subjects from S. No. 1 to 8 and respective practical papers from S. No. 1 to 7)			
1	BS102301	Mathematics-III (Real Analysis)	4
2	BS102302	Physics-III (Thermal Physics & Statistical Mechanics)	4
3	BS102303	Chemistry-III (Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-Ii)	4
4	BS102304	Computational Skill (Matlab- Math Work)	1
5	BS101301	Botany-III Plant Anatomy And Embryology	4
6	BS101302	Zoology-III Physiology And Biochemistry	4
7	BS101304	Chemistry -III Chemical Bonding, Transition Metal & Coordination Chemistry	4
8	BS101305	Psychology III (Psychological Disorders)	4
9		Assessment and Curriculum Planning for students with Intellectual Disability	4
10		Learning Disabilities :Introduction and Assessment	4
Practical Papers			
1	BS102321	Mathematics Lab III	2
2	BS102322	Physics Lab III	2
3	BS102323	Chemistry Lab III	2
4	BS102324	Computational Skill Lab (Matlab- Math Work)	1
5	BS101321	Botany Lab III	2
6	BS101322	Zoology Lab III	2
7	BS101323.2	Psychology Lab II	2
8		Intellectual Disability -IEP -(01Mild &01 Moderate)	1
9		Learning Disabilities-Curricular Adaptation	1
10		Practical :Behaviour Modification	1



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YEAR/SEMESTER: II/IV

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
Elective Paper (Select any three Subjects from S. No. 1 to 9 and respective practical papers from S. No. 1 to 5)			
1	BS102401	Mathematics-IV (Algebra)	6
2	BS102402	Physics-IV (Wave & Optics)	4
3	BS102403	Chemistry -IV (Transition Metal & Coordination Chemistry, States Of Matter & Chemical Kinetics)	4
4	BS102404	(Physics) Electrical Circuits & Network Skills	2
5	BS101401	Botany-IV (Plant Physiology And Metabolism)	4
6	BS101402	Zoology-IV (Genetics And Evolutionary Biology)	4
7	BS101405	Psychology IV (Statistical Methods and Psychological Research)	4
8	BS101404	(Botany) Plant Diversity And Human Welfare	4
9	BS101304	Chemistry (Physical Chemistry for the biosciences)	1
10		Introduction and perspectives of Hearing and Visual Impairment	4
11		Education and Curricular Practices for Children with hearing Impairment	4
Practical Papers			
1	BS102421	Physics Lab IV	2
2	BS102422	Chemistry Lab IV	2
3	BS101421	Botany Lab IV	2
4	BS101422	Zoology Lab IV	2
5	BS101423	Psychology Lab IV	2
6		Hearing Impairment and Hearing Aid	2
7		Hearing Impairment -Speech	2



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YEAR/SEMESTER: III/V

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
Elective Paper (Select any three Subjects from S. No. 1 to 9 and respective practical papers from S. No. 1 to 5)			
1	BS102501	Mathematics DSE (Linear Algebra)	6
2	BS102502	Physics- DSE (Quantum Mechanics)	4
3	BS102503	Chemistry DSE (Analytical Methods In Chemistry)	4
4	BS102504	(Chemistry) Basic Analytical Chemistry	2
5	BS101501	Botany (Cell And Molecular Biology)	4
6	BS101502	Zoology (Applied Zoology)	4
7	BS101503	Chemistry (Analytical Methods In Chemistry)	4
8	BS101505	Psychology (Psychology in Education)	2
9	BS101504	Chemistry (Basic analytical Chemistry)	2
10		Introduction to Autism Spectrum Disorder, Assessment and curriculum Planning	4
11		Education and Curricular practices for Children with visual Impairment	4
Practical Papers			
1	BS102521	Physics Lab V (Quantum Mechanics)	2
2	BS102522	Chemistry Lab V (Analytical Methods In Chemistry)	2
3	BS101521	Botany V Practical	2
4	BS101522	Zoology V Practical	2
5	BS101524	Psychology V Practical	2
6	BS101523	Chemistry V Practical	2
7		Visual Impairment -Orientation and Mobility	2



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S. No.	Subject Code	Subject Title	Credit
Theory Papers			
Elective Paper (Select any three Subjects from S. No. 1 to 9 and respective practical papers from S. No. 1 to 5)			
1	BS102601	Mathematics DSE (Linear Algebra)	6
2	BS102602	Physics- DSE (Quantum Mechanics)	4
3	BS102603	Chemistry DSE (Analytical Methods In Chemistry)	4
4	BS102604	(Chemistry) Basic Analytic Chemistry	2
5	BS101501	Botany (Economic Botany And Biotechnology)	4
6	BS101602	Zoology (Reproductive Biology)	4
7	BS101603	Psychology (Counseling Psychology)	4
8	BS101604	Zoology (Apiculture)	2
9	BS101603	Chemistry (Bio-Inorganic And Environmental Chemistry)	4
10		Introduction to locomotor Impairment, Cerebral Palsy and Multiple Disabilities	4
11		Assessment Intervention and teaching strategies for students with locomotor Impairment ,Cerebral Palsy and Multiple Disabilities	4
Practical Papers			
1	BS102621	Physics Lab (Nuclear & Particle Physics)	2
2	BS102622	Chemistry Lab (Bioinorganic & Environmental Chemistry)	2
3	BS102623	Mathematics Lab (Numerical Methods)	2
4	BS101621	Botany VI Practical	2
5	BS101622	Zoology VI Practical	2
6	BS101623	Psychology VI Practical	2
7	BS101623	Chemistry VI Practical	2
8		Locomotor Impairment & Cerebral Palsy	2
9		Visual Impairment-Braille	2



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YEAR/SEMESTER: IV/VII

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1		Inclusive Education	4
2		Teaching of Children with ASD	4
3		Teaching of English / Teaching of Hindi	4
4		Teaching of Mathematics / Teaching of Science / Teaching of Social Science	4
Practical Papers			
1		Micro Teaching Skills	1
2		Lesson Plans in English / Hindi	1
3		Lesson Plans in Mathematics / Teaching of Science / Teaching of Social Science	1
4		Multiple Disabilities	2



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YEAR/SEMESTER: IV/VIII

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
Specialization Sensory Impairments (Visual and Hearing Impairment)			
1		Drama and Art in Education	4
2		Application of ICT in Classroom	4
3		Technology and Education of Sensory Impairment	4
4		Braille and Assistive Devices	4
5		Orientation and Mobility	4
Practical Papers			
1		Visual Impairment-Teaching Daily Living Sills and assistive Devices	2
2		Reading Writing of Standard English Braille	2
3		Classroom teaching in Special School for visual Impairment	1
4		Classroom teaching in Inclusive School for visual Impairment	1
5		Augmentative and Alternative Communication	2
6		Learning and Practicing Indian Sign Language (ISL)	1
7		Classroom teaching in Special school for Hearing Impairment	1
8		Classroom teaching in Inclusive school for Hearing Impairment	1
9		Internship	2
Theory Papers			
Specialization Developmental Disabilities (Intellectual Disability, Autism, Spectrum Disorder, Specific Learning Disability)			
1		Drama and Art in Education	4
2		Application of ICT in Classroom	4
3		Technology and Education of Developmental Disabilities	4
4		Teaching Strategies and Curriculum Adaptations for children with Intellectual Disability	4
Practical Papers			
1		Group Teaching in special and Inclusive Schools for CWID	2
2		IEP- Autism Spectrum Disorder	2
3		Teaching Practice in Special and Inclusive Schools for ASD	2
4		Access to curriculum adaptation for Learning Disability	4
5		Learning Disability (IEP)	2
6		Lesson Planning and Execution on different level of selected subject for children with specific Learning disability	2
7		Internship	2