

B.Sc.-B.Ed (Mathematics)

1st Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Language 1 (as per the 8th schedule of the Constitution of India): Sanskrit	3-1-0	Theory	4
2			Understanding India (Indian Ethos and Knowledge Systems)	2-0-0	Theory	2
3			Evolution of Indian Education	3-1-0	Theory	4
4	Major		Calculus	3-1-0	Theory	4
5	Major		Algebra I	3-1-0	Theory	4
6			Chemistry I	3-1-0	Theory	4
			Physics I			
7			<i>Art (Performing and Visual) & Creative Expressions</i>	0-0-3	--	2
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2nd Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Language 2 (Other than L1): English for Communication/Learning English	3-1-0	Theory	4
2			Understanding India (Indian Ethos and Knowledge Systems)	2-0-0	Theory	2
3			Teacher and Society	2-0-0	Theory	2
4	Major		Probability and Statistics	3-1-0	Theory	4
5	Major		Analysis I	3-1-0	Theory	4
6	Major		Analytical Geometry	3-1-0	Theory	4
7			Chemistry II	3-1-0	Theory	4
			Physics II			
						24

3rd Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Child Development and Educational Psychology	3-1-0	Theory	4
2			Pedagogy	3-1-0	Theory	4
3	Major		Computer Programming	3-0-0	Theory	3
4	Major		Computer Programming lab	0-0-2	Practical	1
5	Major		Differential Equations	3-1-0	Theory	4
6			Chemistry III	3-1-0	Theory	4
			Physics III			
						20

4th Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Philosophical & Sociological Perspectives of Education -I	3-1-0	Theory	4
2			Pedagogy	3-1-0	Theory	4
3	Major		Algebra II	3-1-0	Theory	4
4	Major		Numerical Methods	3-1-0	Theory	4
5	Major		Numerical Methods Lab	0-0-2	Practical	1
6			Chemistry IV	3-1-0	Theory	4
			Physics IV			
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5th Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			ICT in Education	2-0-0	Theory	2
2			Pedagogy	3-1-0	Theory	4
4	Major		Operations Research	3-0-0	Theory	3
4	Major		Analysis II	3-0-0	Theory	3
5	Major		Mechanics	3-0-0	Theory	3
5	Major		Physics Lab VI	0-0-2	Practical	1
5			Pre-internship Practice (Demo lessons, Peer teaching)	--	--	4
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6th Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Assessment and Evaluation	2-0-0	Theory	2
2			Inclusive Education	2-0-0	Theory	2
4			Pedagogy	3-1-0	Theory	4
4			Mathematical & Quantitative Reasoning	2-0-0	Theory	2
4	Major		Mathematical Methods	3-1-0	Theory	4
4	Major		Complex Analysis	3-1-0	Theory	4
7			<i>School Observation (Field Practice)</i>	--	--	2
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7th Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Curriculum Planning & Development (textbooks, material development, etc.) -- (Stage Specific)	2-0-0	Theory	2
2			Perspectives on School Leadership and Management	2-0-0	Theory	2
4			Art (Performing and Visual) & Creative Expressions	0-0-4		2
4			Sports, Nutrition and Fitness	--	--	2
5			School-based Research Project	--	--	2
5			Internship in Teaching	--	--	10
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8th Semester Course Structure

Sl.	Course Type	Course Code	Course Name	L-T-P	Course Category	Credits
1			Citizenship Education, Sustainability and Environment Education	2-0-0	Theory	2
2			Education Policy Analysis	2-0-0	Theory	2
4			Philosophical & Sociological Perspectives of Education-II	3-1-0	Theory	4
4			Yoga and Understanding Self	2-0-0	Theory	2
4			Depth Elective I (Education Major)	3-1-0	Theory	4
4			Creating Teaching Learning Material/Work Experience (Educational Toy making, local/traditional vocations, etc.)	--	--	2
			<i>Post Internship (Review and Analysis)</i>	--	--	2
			Community Engagement and Service	--	--	2
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