

Scheme of Instruction for B.Sc.B.Ed Courses:

Details of course and scheme of study, titles of the papers, duration etc. for B.Sc.B.Ed Course are provided in Tables given below:-

Four Years Integrated Course Scheme of B.Sc.B.Ed. 1st Year

Theory Paper	Course Code	Title of the Paper	Evaluation			Total
			External	Internal	Practical	
I	B.Sc.- B.Ed. 01	Gen. English(Compulsory)*	100	-	-	100
II	B.Sc.-B.Ed. 02	Childhood and Growing Up	80	20	-	100
III	B.Sc.-B.Ed. 03	Contemporary India and Education	80	20	-	100
IV	B.Sc.-B.Ed. 04 (G-A)	Instructional System & Educational Evaluation	80	20	-	100
V VI & VII	B.Sc.B.Ed 05 06 & 07 (G-B)	Content (Select any Three) 1. Chemistry(I,II,III) 2. Botany (I,II,III) 3. Zoology(I,II,III) 4. Physics (I,II,III) 5. Mathematics(I,II,III)	 33+33+34 33+33+34 33+33+34 33+33+34 40+40+40	 50 50 50 30	 150 150 150 150 150	
						750

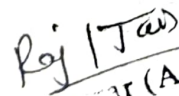
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Four Years Integrated Course Scheme of B.Sc.B.Ed. 2nd Year

Theory Paper	Course Code	Title of the Paper	Evaluation			
			External	Internal	Practical	Total
I	B.Sc.B.Ed. 08	Gen. Hindi (Compulsory)*	100	-	-	100
II	B.Sc.B.Ed. 09	Knowledge and curriculum	80	20	-	100
III	B.Sc.B.Ed. 10	Learning and Teaching	80	20	-	100
IV	B.Sc.B.Ed. 11 (G-A)	Peace Education	80	20	-	100
V VI & VII	B.Sc.B.Ed. 12 13 & 14 (G-B)	Content (Select any Three) 1. Chemistry(I,II,III) 2. Botany (I,II,III) 3. Zoology(I,II,III) 4. Physics (I,II,III) 5. Mathematics(I,II,III)	33+33+34 33+33+34 33+33+34 33+33+34 40+40+40	- - - - -	50 50 50 50 30	150 150 150 150 150
Practicum	B.Sc.B.Ed. 15	OPEN AIR / SUPW CAMP 1. Community Service 2. Survey (Based on social and educational events) 3. Co-Curricular Activities 4. Health and Social awareness programme (DISASTER MANAGEMENT AND CLEANINESS)		25 25 25 25	- - - -	100
						850

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8

Four Years Integrated Course Scheme of B.Sc.B.Ed.3rd Year

Theory Paper	Course Code	Title of the Paper	Evaluation			Total
			External	Internal	Practical	
I	B.Sc.B.Ed. 16	Elementary Computer Application (ICT) (Compulsory)*	60	-	40 (30+10)	100
II	B.Sc.B.Ed. 17	Language Across the Curriculum	80	20	-	100
III	B.Sc.B.Ed. 18 (G-A)	Guidance and Counseling in School	80	20	-	100
IV V & VI	B.Sc.B.Ed. 19 20 & 21 (G-B)	Content (Select any Three) <ol style="list-style-type: none"> 1. Chemistry(I,II,III) 2. Botany (I,II,III) 3. Zoology(I,II,III) 4. Physics (I,II,III) 5. Mathematics(I,II,III) 	33+33+34		50	150
			33+33+34		50	150
			33+33+34		50	150
			33+33+34		50	150
			40+40+40		30	150
VII	B.Sc.B.Ed. 22	Pedagogy of a School Subject (Candidate should opt any two school subject from the following i.e. one school subject for part - 3 and other school subject for Part - 4) <ol style="list-style-type: none"> 1. Chemistry 2. Biology 3. Physics 4. Mathematics 5. General Science 	80	20		100
Practicum	B.Sc.B.Ed. 23	Special Training Programme (School Internship) <ul style="list-style-type: none"> • Micro Teaching • Practice Lesson • Observation Lesson • Technology Based Lesson • Criticism Lesson 			10 50 05 05 20 10	100

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9

		• Attendance /Seminar/ Workshop				
Practical	B.Sc.B.Ed. 24	Final Lesson	100			100
						950

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Four Years Integrated Course Scheme of B.Sc.B.Ed.4th Year

Theory Paper	Course Code	Title of the Paper	Evaluation			
			External	Internal	Practical	Total
I	B.Sc .B.Ed. 25	Environmental Studies (Compulsory)*	100	-	-	100
II	B.Sc.B.Ed. 26	Creating and inclusive school	80	20	-	100
III	B.Sc.B.Ed. 27	Understanding Disciplines and Subject	80	20	-	100
IV	B.Sc .B.Ed. 28 (G-A)	Physical Education & Yoga	80	20	-	100
V	B.Sc .B.Ed. 29	Gender, School and Society	80	20	-	100
VI	B.Sc .B.Ed. 30	Assessment for Learning	80	20	-	100
VII	B.Sc. B.Ed. 31	Pedagogy of a School Subject (Candidate should opt any two school subject from the following i.e. one school subject for part - 3 and other school subject for Part - 4) 1. Chemistry 2. Biology 3. Physics 4. Mathematics 5. General Science	80	20	-	100

Practicum	B.Sc.B.Ed. 32	School Internship	50	100
		1. Practice teaching	20	
		2. Block Teaching (Participation in School Activities Social Participation in Group)	10	
		3. Report of any feature of school / case study/action research	20	
Practical	B.Sc.B.Ed. 33	Final Lesson	100	100
				800

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Four Years Integrated Course Scheme of B.Sc.B.Ed.

Compulsory Papers*

Year	Subject/Paper No.	Paper
Ist Year	01	Gen. English
II Year	08	Gen. Hindi
III Year	16	Computer Application (ICT)
IV Year	25	Environmental studies

Compulsory Paper

Year	Subject/Paper No.	Paper
I st Year	02	Childhood and Growing Up Contemporary India and Education
	03	
II nd Year	09	Knowledge and curriculum Learning and Teaching
	10	
III rd Year	17	Language Across the Curriculum
IV th Year	26	Creating and inclusive school Understanding Disciplines and Subject Gender, School and Society Assessment for Learning
	27	
	29	
	30	

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Group – A: - Subject Specialisation :

Year	Subject/Paper No.	Paper
I st Year	04	Instructional System & Educational
II nd Year	11	Peace Education
III rd Year	18	Guidance and Counselling in School
IV th Year	28	Physical Education & Yoga

Group B: (Select any three): Content of Science Subject: - A Student has to opt any three optional subject (papers) from group B paper no. 05,06,07 1st year 12,13,14,2nd year 19,20,21 3rd year in which two must be the school teaching subjects.

1. Chemistry (I, II, III)
2. Botany (I, II, III)
3. Zoology (I, II, III)
4. Mathematics (I, II, III)
5. Physics (I, II, III)

Group C: Pedagogy of School Subject 22/31 : Pedagogy of a School Subject III Year and IV Year (candidate shall be required to offer any two papers from the following, for part-III & part-IV).

Pedagogy of Chemistry
Pedagogy of Biology
Pedagogy of Physics
Pedagogy of Mathematics
Pedagogy of General Science

- ❖ In all the years the student has to study a minimum of 07 subjects (1-7) in 1st year, 7 subjects + practicum (8-15) in 2nd Year. 7 subjects + practicum & final lesson (16-24) in 3rd Year and 7 subjects + practicum & final lesson (25-33) in 4th Year (Total 33 Subjects).
- ❖ Each theory paper will carry 100 marks and content base paper 05, 06,07, 1st ,12,13,14 2nd ,19,20,21 3rd year (G-B) will carry 150 marks. (With practical part). Distribution of marks in mathematics is according to their marking scheme in page no.7.

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Scheme of Instruction for B.Sc.B.Ed Courses

Details of courses and scheme of study, titles of the papers, duration etc. for B.Sc.B.Ed Courses are provided in Tables given below :-

Years	Subjects	Marks
I Year	7 Subjects + Practical (1-7)	600 + 150 = 750
II Year	7 Subjects + Practical + Practicum (8-15)	600 + 150 + 100 = 850
III Year	7 Subjects + Practical + Practicum + Final Lesson (16-24)	600 + 150 + 100 + 100 = 950
IV Year	7 Subjects + Practicum + Final Lesson	600 + 100 + 100 = 800
Total	33 Papers	2400 + 550 + 200 + 200 = 3350

O. 321 The objectives of the practical work prescribed for the Integrated Programme of B.Sc.B.Ed. Degree (Four Year) are follows:

PART II

Practical Work

Objectives:

To develop the ability and self-confidence of pupil teachers:

1. To be conscious of sense of values and need for their inculcation in children through all available means including one's own personal life.
2. Possess a high sense of professional responsibility.
3. Develop resourcefulness, so as to make the best use of the situation available.
4. Appreciate and respect each child's individuality and treat him as independent and integrated personality.
5. Arouse the curiosity and interest of the pupils and secure their active participation in the educative process.
6. Develop in the pupil's capacity for thinking and working independently and guide the pupils to that end.
7. Organize and manage the class for teaching learning.
8. Appreciate the dynamic nature of the class situation and teaching techniques.
9. Define objectives of particular lessons and plan for their achievements.
10. Organize the prescribed subject-matter in relation to the needs, interest and abilities of the pupils.

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11. Use the appropriate teaching methods and techniques.
12. Prepare and use appropriate teaching aids, use of the black board and other apparatus and material properly.
13. Convey ideas in clear and concise language and in a logical manner for effective learning.
14. Undertake action research.
15. Give proper opportunity to gifted pupils and take proper care of the back-ward pupils.
16. Co-relate knowledge of the subject being taught with other subjects and with real life situations as and when possible.
17. Prepare and use assignments.
18. Evaluate pupil's progress.
19. Plan and organize co curricular activities and participate in them.
20. Co-operates with school teachers and administrators and learns to maintain school records and registers.

Practical skill to teach the two school subjects offered under Theory papers 22&31 and the following:

1. Observation of lesson delivered by experienced teachers and staff of the college.
2. Planning units and lessons.
3. Discussion of lesson plans, unit plans and lessons given (including criticism lesson)
4. Organization and participation in co- curricular activities.
5. Setting follows up assignment.
6. Evaluation in terms of educational objectives use of teachers made tests & administration of standardized tests.
7. Black-board work.
8. Practical work connected with school subjects.
9. Preparation and use of audio visual aids related to methods of teaching.
10. Experimental and laboratory work in chemistry, botany, zoology, physics, and mathematics subjects of experimental and practical nature.
11. Study of the organization of work and activities in the school.
12. Observation and assistance in the health education programme.
13. Observation and assistance in the guidance programme.

14
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14. Maintenance of cumulative records.

15. Techniques of teaching in large classes.

O. 322 A candidate has to deliver at least 40 lessons (20 Lessons of one teaching subject in 3rd year & 20 Lessons of other teaching subject in 4th year) in a recognized school under the supervision of the staff of the college shall be eligible for admission to the examination for the degree of B.Sc.B.Ed.

Notes :-

- i. Teaching subject means a subject offered by the candidate at his/her running B.Sc-B.Ed. course either as a compulsory subject or as an optional subject provided that the candidate studied it for at least two years. Thus the qualifying subjects like General English, General Hindi, Education and Environment Education. Prescribed for running B.Sc- B.Ed. course of the University or a subject dropped by candidates at the part I stage of the degree course shall not be treated as teaching subjects.
- ii. Only such candidate shall be allowed to offer General Science for the B.Sc B.Ed Examination who had studied Chemistry and any one subject of life science i.e. Biology, Botany or Zoology.
- iii. Student will choose three content based paper from group B and he or she will study the same paper in all the three years I, II and III year.
- iv. A student should opt at least two different pedagogy of school teaching subjects in III year and IV year.

O.323 No candidate shall be allowed to appear in the Integrated B.Sc.B.Ed examination I,II,III & IV Year unless he/she has attended (80% for all course work & practicum, and 90% for school internship)

O.324 The examination for Integrated B.Sc.B.Ed. for Four Year shall be in two parts- part 1st comprising theory papers & part 2 practice of teaching in accordance with the scheme of examination laid down from time to time.

O.325 Candidates who fail in Integrated B.Sc.B.Ed examination in part 1 or/ part 2 the theory of education may present themselves for re-examination there in at a subsequent examination without attending a further course at an affiliated training college.

Provided that a candidate who fails in any one of the theory papers and secures at least 48% marks in the aggregate of the remaining theory papers may be allowed to reappear in the examination in the immediately following year in the paper in which

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JAIPUR 15

he/she fails only. He/she shall be declared to have passed if he secures minimum passing marks prescribed for the paper in which he appeared and shall be deemed to have secured minimum passing marks only prescribed for the paper (irrespective of the marks actually obtained by him) for the purpose of determining his division in accordance with the scheme of examination. The candidate shall have to repeat the whole examination in subsequent year in case he fails to clear the paper in which he failed.

- O.326** Candidates who fail in the Integrated B.Sc.B.Ed. examination part 1 and part 2 only in the practice of teaching may appear in the practical examination in the subsequent year provided that they keep regular terms for four calendar months per year and give at least 40 lessons (20 in part 1 & 20 in part 2) supervised lessons.
- O.326 A:** A candidate who complete a regular course of study in accordance with the provision laid down in the ordinance, at an affiliated teacher's training college for four academic year but for good reasons fails to appear at the Integrated B.Sc-B.Ed. examination may be admitted to a subsequent examination as an Ex-student as defined in O.325 or O.326 Above.
- O.326 B:** No candidate shall be permitted to appear as an Ex-student at more than one subsequent examination. The Integrated B.Sc.B.Ed programme shall be of duration of four academic years, which can be completed in a maximum of five years from the date of admission to the Integrated B.Sc..B.Ed. Degree.

Regulation 42 :-

Scheme of Integrated B.Sc.B.Ed Four Year Examination

The Integrated B.Sc.B.Ed. (Four years) will consist of the following components;

Part I- Main theory papers at B.Sc.B.Ed. I, In Integrated B.Sc.B.Ed IPaper nos. are 02, 03 & 04 in each session arc of three hours carrying 100 marks (80 for theory + 20 for sessional) each. Compulsory paper* 01 of 100 marks and optional Paper 05, 06,07, 1st, 12,13,14 2nd, 19,20,21 3rd year (G-B). in each session are three hours carrying 150 marks (100 marks theory+ 50 marks practical).Distribution of marks in mathematics is according to their marking scheme in page no.7.

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University of Rajasthan 16
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Part II- Practice Teaching - Micro Teaching, Internship, Practice Teaching of 20 weeks (10 at B.Sc.B.Ed Year III & 10 at B.Sc.B.Ed Year IV) Block Teaching, Criticism and Final Lesson in III & IV Year per teaching subject.

Organization evaluation of practice teaching:

1. Every candidate will teach at least 40 lessons (20 in III Year & 20 in IV Year) during practice teaching session. At least ten lessons in each subject should be supervised.
2. 40(20+20) lessons as desired in the syllabus should be completed as full period class room lesson. Micro teaching lesson to be used in addition to those 40 lessons for developing certain teaching skills.
3. A minimum of ten lessons in each subject will be supervised evaluated by the subject specialist or a team of specialists of the subjects.
4. By and large, the evaluation of the performance in the practical teaching will be based on the last ten lessons in the subject when the student has acquired some competence and skills of teaching.
5. The internal assessment in practice of teaching will be finalized by the principal with the help of members of the teaching staff and the same will be communicated to the university before the commencement of the practical each year.
6. At Integrated B.Sc.B.Ed III Year each candidate should be prepared to teach one lessons at the final practical examination. At the Integrated B.Sc.B.Ed IV Year exam candidate should be prepared to teach two lessons (one in each subject). The external examiners may select at-least 10% of the candidates to deliver two lessons in Integrated B.Sc.B.Ed IV Year.

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7. There will be a board of Examiners for the external examination for each college which will examine each candidate in at least one lesson and a minimum of 15% in two lessons (one in each of the two subjects).
8. The board of Examination will consist of:
- (a) The principal of the college concerned.
 - (b) A principal or a senior and experienced member of the teaching staff of another training college, affiliated to University of Rajasthan.
 - (c) An external examiner from outside the University of Rajasthan or a senior member of the teaching staff of an affiliated training college.
 - (d) The board as far as possible will represent Social science, language and science.
9. Approximately 50 lessons will be examined by the board each day.

Working out the result and awarding the division:

- (1) A candidate in order to be declared successful at the Integrated B.Sc.B.Ed. I, II, III & IV Year Examination shall be required to pass separately in Part I (Theory) and Part II (Practice of Teaching School Internship).
- (2) For a passing in Part I (Theory) a candidate shall be required to obtain at-least (a) 30 percent marks in each theory paper and sessionals (24 marks out of 80 and 6 marks out of 20); (b) 30% marks in each theory paper and sessional (11 marks out of 35 & 4 marks out of 15); (c) 36 percent marks in the aggregate of all the theory papers.
- (3) For passing in Part II (school internship Practice of Teaching) a candidate shall be required to obtain separately at-least-
 - ❖ 40 percent marks in the external examination.
 - ❖ 40 percent marks in internal assessment.

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(4) The successful candidates at Integrated B.Sc.B.Ed Four Year Examination obtaining total marks will be classified in three divisions and shall be assigned separately in theory and school internship Practice of teaching as follows:

Division	Theory	Practice of Teaching
I	60%	60%
II	48%	48%
Pass	36%	40%

The practical work record shall be properly maintained by the college and may be made available for work satisfaction of external examiner in school internship (practice teaching), those are expected to submit a report regarding this separately.

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