



आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश  
**IFTM University, Moradabad, Uttar Pradesh**  
**NAAC ACCREDITED**

**Academic Ordinance**  
**for**  
**Four year Integrated Education Programme**  
**(B.A.-B.Ed., B.Sc.-B.Ed.)**

**(w.e.f. Session 2021-2022)**

(Amended with NEP as per UGC Guidelines  
&

Approved by the Academic Council in the Meeting held on 25<sup>th</sup> September 2021)

**IFTM UNIVERSITY**

(Established under U.P. Govt. Act No.24 of 2010 and approved under section 22 of UGC Act 1956)

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## **REGULATIONS**

### **1. Short Title and Commencement**

These regulations shall be called as The Regulations for the four year Integrated Education Programme (B.A.-B.Ed. and B.Sc.-B.Ed.) Degree Programme of the IFTM University, Moradabad”, from the Academic Year 2021-22 based on the recommendation of NEP2020. The regulations framed are subject to modifications from time to time as per NCTE/UGC/UP State Government norms. Now revised Programme Structure and Syllabus according to National Education Policy-2020 and department of Higher Education U.P. government Lucknow, will apply to the candidates admitted for the academic year 2021-22 and onwards.

### **2. Minimum qualification for admission**

Candidates with at least 50% marks in the senior secondary + 2 or its equivalent are eligible for admission.

### **3. Duration of the program**

The B.Sc.-B.Ed. and B.A.-B.Ed. programmes shall be of four academic years or eight semesters including school based experience and internship in teaching. Student teachers shall, however, be permitted to complete the programme within a maximum period of six years from the date of admission to the programme.

### **4. Medium of instruction and examinations**

Medium of instruction and examination shall be in Hindi and English.

## **5. Working days**

- a) There shall be at least two hundred and fifty working days each year, excluding the period of admission and examination.
- b) Working day will be of a minimum of 5-6 hours adding up to a minimum of 36 hours per week.

## **6. Attendance and progress**

The minimum attendance of students shall have to be 80% for all course work and practicum and 90% for school internship.

## **7. Program/Course credit structure**

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, practical classes, project report, internship etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

### **7A. Credits and Grade System**

**(a)** All programmes shall have credits associated with them as per their Lecture/Tutorial/Practical (LTP) structure and shall be determined as follows:

- One lecture hour per week per semester shall be assigned one credit.
- One practical hour per week shall be assigned half credit.

However, the credits associated with every programme will be a whole number, i.e., wherever the sum comes out to be in half credit on calculation following the aforesaid process, the half shall be rounded to the next whole number.

**(b)** The letter grades based upon the overall marks obtained in a subject will be as follows:

S. No.	Marks	Letter Grade	Grade Point
1.	>=90	A+	10
2.	80-89	A	9
3.	70-79	B+	8
4.	60-69	B	7
5.	50-59	C+	6
6.	40-49	C	5
7.	35-39	D	4
8.	30-34	E	2
9.	<30	F	0

'E' & 'F' Grade will be treated as Carry Over Paper.

In addition to the above grades, there shall be two more letter grades 'I' and 'AB' which shall stand for Incomplete and Absent Grades, respectively.

**(c) Semester Grade Point Average (SGPA)**

The SGPA is a weighted average of the grade points earned by a student in all the papers credited and described his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are  $g_1, g_2, g_3, \dots, g_k$ , etc. and the corresponding credits are  $c_1, c_2, c_3, \dots, c_k$ , the SGPA is given by :

$$SGPA = \frac{c_1g_1 + c_2g_2 + c_3g_3 + \dots + c_kg_k}{c_1 + c_2 + c_3 + \dots + c_k}$$

Where,  $k$  is the number of papers for which the candidate remains registered during the semester.

**(d) Cumulative Grade Point Average (CGPA)**

The Cumulative Grade Point Average (CGPA) indicates the overall academic performance of a student in all the papers registered in that particular academic year. It is computed in the same manner as the SGPA, considering all the papers (say, n), and is given by:

$$CGPA = \frac{\sum_{i=1}^n c_i g_i}{\sum_{i=1}^n c_i}$$

**(e) Final CGPA**

It is the weighted average of the CGPA of all years of study.

**(f) Percentage equivalence of CGPA/Final CGPA**

The conversion of CGPA/Final CGPA to exact percentage of marks does not have perfect rationale. However, its equivalent at best can be arrived at by multiplying by 10.00.

**7B. Change of Grade already awarded**

Letter Grade 'E' will be changed into Letter Grade 'D' up to a maximum of 03 papers at the time of promotion to the next academic year provided he/she can be declared to have passed the academic year without any carry over paper, by changing the Grade.

**8. Academic work**

A regular record of attendance both in Theory and Practical shall be maintained by the teaching-staff.

**9. Course of study**

The course of study for B.Sc.-B.Ed. and B.A.-B.Ed. shall include Semester-Wise Theory & Sessional. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than 40 sessions.

**B.A.-B.Ed. Programme  
Course Structure  
Semester-I**

Year: First		Semester: First					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuou s Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course)</b>							
Hindi	A010101T	fgjhhdk	06	25	75	--	100
Sanskrit	A020101T	l bdr i   l kfgR , oaQkdj.k	06	25	75	--	100
English	A040101T	English Prose and 'Computer & Writing Skills	06	25	75	--	100
History	A050101T	Ancient and Early Medieval India (Till 1206 A.D.)	06	25	75	--	100
Political Science	A060101T	Indian National Movement & Constitution of India	04	25	75	--	100
	A060102P	Awareness of Right & Law	02	25	--	75	100
Sociology	A070101T	Introduction to Basic Concepts of Sociology	06	25	75	--	100
Economics	A080101T	Principle of Micro Economics	06	25	75	--	100
Geography	A110101T	Physical Geography	04	25	75	--	100
	A110102P	Elements of Map Reading and Interpretation	02	25	--	75	100
Home Science	A130101T	Fundamental of Nutrition and Human Development	04	25	75	--	100
	A130102P	Cooking Skills and Healthy Recipe Development	02	25	--	75	100
Journalism	A270101T	Basics of Mass Communication and Journalism	04	25	75	--	100
	A270102P	Computer for Mass Media	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-1]	E030101T	Development of Education in India and Contemporary Issues	6	25	75	--	100

<b>Choose any One Pedagogy (Vocational Course)</b>							
Teacher Education Course [PSS-1]	E030102T	Pedagogy of Social Sciences -1	3	25	75	--	100
Teacher Education Course [PL-1]	E030102T	Pedagogy of Languages -1	3	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-1]	Z010101T	Food, Nutrition and Hygiene	2	25	75	--	100
<b>Industrial Training</b>							
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**B.A.-B.Ed. Programme**  
**Course Structure**  
**Semester-II**

Year: First		Semester: Second					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-I</b>							
Hindi	A010201T	dk k; hfglhhv k dE; W	06	25	75	--	100
Sanskrit	A020201T	l adr x  l kgr, vuqn , oal a.kd vuqzks	06	25	75	--	100
English	A040201T	Reading in English Poetry	06	25	75	--	100
History	A050201T	History of Medieval India (1206 A.D.-1757 A.D.)	06	25	75	--	100
Political Science	A060201T	Political Theory & Concepts	06	25	75	--	100
Sociology	A070201T	Society in India: Structure, Organization & Change	04	25	75	--	100
	A070202P	Writing Skill development on topics of Contemporary Sociological Importance	02	25	--	75	100
Economics	A080201T	Principle of Macro Economics	06	25	75	--	100
Geography	A110201T	Human Geography	04	25	75	--	100
	A110202P	Thematic, Weather and Geological Maps	02	25	--	75	100
Home Science	A130201T	Introduction to Clothing and Textile & Family Resource Management	04	25	75	--	100
	A130202P	Clothing and Textile	02	25	75	--	100
Journalism	A270201T	Reporting and Editing	04	25	75	--	100
	A270202P	Media Related Software	02	25	--	75	100

<b>Teacher Education Course</b>								
Teacher Education Course [TEC-2]	E030201T	Philosophical and Sociological Foundations of Education [TEC-2]	6	25	75	--	100	
<b>Elective Course</b>								
Elective Course [EC-1]	TECEC-1	Special Education	6	25	75	--	100	
<b>Choose any One Pedagogy (Vocational Course)</b>								
Teacher Education Course [EWP-1]	E030202P	Engaging with Pedagogies [EWP-1]	3	25	--	75	100	
<b>Co-Curricular Course</b>								
Co-Curricular Course [CCC-2]	Z020201	First Aid and Health	2	25	75	--	100	
<b>Industrial Training</b>								
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**B.A.-B.Ed. Programme  
Course Structure  
Semester-III**

Year: Second		Semester: Third					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-II</b>							
Hindi	A010301T	fglhx	06	25	75	--	100
Sanskrit	A020301T	l bdr uk/d , oaQkdj.k	06	25	75	--	100
English	A040301T	British and American Drama	06	25	75	--	100
History	A050301T	History of Modern India (1757 A.D. - 1857 A.D.)	06	25	75	--	100
Political Science	A060301T	Political Process in India	04	25	75	--	100
	A060302P	Field Work Tradition in Social Sciences	02	25	--	75	100
Sociology	A070301T	Social Change and Social Movement	06	25	75	--	100
Economics	A080301T	History of Economic Thought	06/	25	75	--	100
Geography	A110301T	Environment, Disaster Management and Climate Change	04	25	75	--	100
	A110302P	Statistical Techniques	02	25	--	75	100
Home Science	A130301T	Advance Nutrition and Human Development	04	25	75	--	100
	A130302P	Human Development	02	25	--	75	100
Journalism	A270301T	Advertising and Public Relations	04	25	75	--	100

	A270302P	Graphics and Design for Advertising	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-3]	E030301T	Psychological Foundations of Education [TEC-3]	6	25	75	--	100
<b>Choose anyone Pedagogy (Vocational Course)</b>							
Teacher Education Course [PSS-2]	E030302T	Pedagogy of Social Sciences -2	3	25	75	--	100
Teacher Education Course [PL-2]	E030302T	Pedagogy of Languages -2	3	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-3]	Z030301	Human Values and Environment Studies	2	25	75	--	100
<b>Industrial Training</b>							
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**B.A.-B.Ed. Programme  
Course Structure  
Semester-IV**

Year: Second		Semester: Fourth					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-III</b>							
Hindi	A010401T	fglhhvuqkn	06	25	75	--	100
Sanskrit	A020401T	dK' KL= , oal bdr y\$ku dK\$y	06	25	75	--	100
English	A040401T	Indian Literature in Translation & Translation Practice	06	25	75	--	100
History	A050401T	History of Modern India (1857 A.D. – 1950 A.D.)	06	25	75	--	100
Political Science	A060401T	Western Political Thought	06	25	75	--	100
Sociology	A070401T	Social Problems & Social Development in India	04	25	75	--	100
	A070402R	Project on Sustainable Society	02	25	--	75	100
Economics	A080401T	Money, Banking and Public Finance	06	25	75	--	100
Geography	A110401T	Economic Geography	04	25	75	--	100
	A110402P	Surveying	02	25	--	75	100
Home Science	A130401T	Housing and Extension Education	04	25	75	--	100
	A130402P	Resource Planning and Decoration	02	25	--	75	100
Journalism	A270401T	Media Law and Ethics	04	25	75	--	100
	A270402P	Print Media Production	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-4]	E030401T	Structure and Management of School Education in India [TEC-4]	6	25	75	--	100

<b>Elective Course</b>							
Elective Course [EC-2]	TECEC-2	Environmental Education	6	25	75	--	100
<b>Choose anyone Pedagogy (Vocational Course)</b>							
Teacher Education Course [EWP-2]	E030402P	Engaging with Pedagogies-2 [EWP-2]	3	25	--	75	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-4]	Z040401	Physical Education and Yoga	2	25	75	--	100
<b>Industrial Training</b>							
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**B.A.-B.Ed. Programme**  
**Course Structure**  
**Semester-V**

Year: Third		Semester: Fifth					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester IV</b>							
Hindi	A010501T	। कृष्ण ' क्ल = वऽ ङुहवक्य कृष्ण	05	25	75	--	100
	A010502T	ङुहहकजकवः दः	05	25	75	--	100
Sanskrit	A020501T	ः नः कः ; , कः रः नः कः	05	25	75	--	100
	A020502T	ः कः , कः कः कः	05	25	75	--	100
English	A040501T	Classical Literature & History of English Literature	05	25	75	--	100
	A040502T	British, American & Indian Popular Fiction	05	25	75	--	100
History	A050501T	Naturalism in India	05	25	75	--	100
	A050502T	History of Modern World (1453A.D. - 1815A.D.)	05	25	75	--	100
	A050503T	Social and Economic History of Medieval India (1200A.D. – 1700A.D.)					
	A050504T	Ethics in History					
	A050501R	Project- 1	03	25	--	75	100
Political Science	A060501T	Comparative Government and Politics (UK, USA, Switzerland & China)	05	25	75		100
	A060502T	Principles of Public Administration	05	25	75		100
	A060503P	Public Policy Formulation and Administration in India	02	25	--	75	100
	A060504R	Project- 1	03	25	--	75	100
Sociology	A070501T	Pioneers of Western Sociological Thought	05	75	75	--	75
	A070502T	Research Methodology in Social Sciences	05	75	75	--	75
	A070503P	Practical Application of Research Methodology/	03	25	--	75	100

		Project Work					
Economics	A080501T	Environmental Economics, Economic Growth and Development	05	25	75	--	100
	A080502T	Elementary Statistics	05	25	75	--	100
		OR					
	A080503T	Demography					
A080504R	Computer Application in Economics	03	25	--	75	100	
Geography	A110501T	Regional Geography	04	25	75	--	100
	A110502T	Basics of Remote Sensing and GIS	04	25	75	--	100
	A110503R	Tour and Tour Report	02	--	--	100	100
	A110504R	Project Report- 1	03	25	--	75	100
Home Science	A130501T	Surface Ornamentation of Fabrics	04	25	75	--	100
	A130502T	Community Development & Programme Planning	04	25	75	--	100
	A130503P	Community Transformation (Change)	02	--	--	100	100
	A130504R	Research Project- 1	03	25	--	75	100
Journalism	A270501T	Communication Research	04	25	75	--	100
	A270502T	New Media Technology	04	25	75	--	100
	A2705013P	Content Production for New Media	02	--	--	100	100
	A270504R	New Paper Production	3	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-5]	E030501T	Education for Value, Peace and Global Citizenship [TEC-5]	5	25	75	--	100
Teacher Education Course [TEC-6]	E030502T	Education and Entrepreneurship [TEC-6]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-5]	Z050501	Analytic Ability and Digital Awareness	2	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [TP-1]	E030503P	Teaching Practice-1 (3 weeks) [TP-1]	3	25	--	75	100

**B.A.-B.Ed. Programme  
Course Structure  
Semester-VI**

Year: Third		Semester: Sixth					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subject (Core Course) on the Basis of Semester-V</b>							
Hindi	A010601T	हकीकत, लोकतंत्र, जनता, समाज, परिवर्तन	5	25	75		100
	A010602T	युद्ध, विद्रोह, आतंकवाद, अहिंसा	5	25	75		100
Sanskrit	A020601T	वक्रवर्तिनी, अष्टाध्यायी	05	25	75	--	100
	A020602T	संस्कृत-संस्कृत, आतंकीय विचार					
	A020603T	वक्रवर्तिनी, आतंकीय, लोकतंत्र					
	A020604T	हकीकत, लोकतंत्र, समाज	05	25	75	--	100
	A020605T	संस्कृत-संस्कृत, अहिंसा					
	A020606T	संस्कृत-संस्कृत, अहिंसा					
	A040601T	Indian & New Literature in English	05	25	75	--	100
English	<b>Any one of the following:</b>						
	A040602T	Literature in films & Media Studies	05	25	75	--	100
	A040603T	Media and Journalistic Writing					

History	A050601T	Era of Gandhi and Mass Movement	05	25	75	--	100	
	A050602T Optional	History of Modern World (1815A.D. - 1945A.D.)	05	25	75	--	100	
	A050603T Optional	Social and Economic History of Medieval India (1700A.D. – 1900A.D.)						
	A050604T Optional	History and its Professional Utility						
	A050601R	Project- 2	03	25	--	75	100	
Political Science	A060601T	Indian Political Thought	05	25	75	--	100	
	A060602T	International Relations and Politics	05	25	75	--	100	
	A060603R	Project- 2	03	25	--	75	100	
Sociology	A070601T	Pioneers of Indian Sociology	5	25	75		100	
	A070602T	Gender and Society	5	25	75		100	
	A070603R	Field Work/ Case Study/ Project Work	3	25		75	100	
Economics	A080601T	Indian Economy & Economy of Uttar Pradesh	5	25	75	--	100	
	A080602T/	Ethics and Economics	5	25	75	--	100	
	<b>Or</b>							
	A080603T	Elementary Mathematics	5	25	75	--	100	
	A080604R	Project/Dissertation On the Local Issues with Economic Focus plus Presentation on ppt of the Dissertation	3	25	--	75	100	
Geography	A110601T	Geography of India	4	25	75	--	100	
	A110602T	Evolution of Geographical Thought	4	25	75	--	100	
	A110603P	Remote Sensing and GIS	2	25	--	75	100	
	A110604R	Project Report-2	3	25	--	75	100	
Home Science	A130601T	Dietetics & Therapeutic Nutrition	04	25	75	--	100	
	A130602T	Research Methodology and Gender Development	04	25	75	--	100	
	A130603P	Therapeutic Diet Preparation & Nutrient Evaluation	02	25	--	75	100	
	A130604R	Research Project- 2	03	25	--	75	100	
Journalism	A2700601T	Media Management	04	25	75	--	100	

	A270602T	Development Communication	04	25	75	--	100
	A270603P	Audio-Visual Production	02	25	--	75	100
	A270604R	Profile Study	03	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-7]	E030601T	Managing and Creating an Inclusive School [TEC-7]	5	25	75	--	100
Teacher Education Course [TEC-8]	E030602T	Learning and Teaching [TEC-8]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-6]	Z060601	Communication Skills and Personality Development	2	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [TP-2]	E030603P	Teaching Practice-2 (3 weeks) [TP-2]	3	25	--	75	100

**B.A.-B.Ed. Programme  
Course Structure  
Semester-VII**

Year: Fourth					Semester: Seventh		
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-9]	E030701T	ICT and School Education [TEC-9]	5	25	75	--	100
Teacher Education Course [TEC-10]	E030702T	Assessment of and for Learning [TEC-10]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Teacher Education Course [ETC-1]	E030703T	Teacher Happiness and Wellbeing [ETC-1]	5	25	75	--	100
<b>Vocational Course</b>							
Teacher Education Course [FE-1]	E030704R	Field Engagement-1 (5 weeks) [FE-1]	5	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [SE-1]	E030705R	School Experience-1 (6 weeks) [SE-1]	6	25	75	--	100

**B.A.-B.Ed. Programme  
Course Structure  
Semester-VIII**

<b>Year: Fourth</b>				<b>Semester: First</b>			
<b>Subject Description</b>	<b>Subject Code</b>	<b>Subject Title (Theory &amp; Practical)</b>	<b>Credits</b>	<b>Continuous Internal Evaluation (CIE)</b>	<b>University Exam. (UE)</b>		<b>Max. Marks</b>
					<b>Theory</b>	<b>Practical</b>	
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-11]	E030801T	Emerging Trends in School Education [TEC-11]	<b>5</b>	25	75	--	100
Teacher Education Course [TEC-12]	E030802T	Profession of Teaching and Professional Development of Teachers [TEC-12]	<b>5</b>	25	75	--	100
<b>Elective Course</b>							
Elective Course [EC-3]	TECEC-3	Computer Application in Education	<b>6</b>	25	75	--	100
<b>Co-Curricular Course</b>							
Teacher Education Course [ETC-2]	E030803T	Teacher as Reflective Practitioner and Researcher [ETC-2]	<b>5</b>	25	75	--	100
<b>Vocational Course</b>							
Teacher Education Course [FE-2]	E030804R	Field Engagement-2 (5 weeks) [FE-2]	<b>5</b>	25	--	75	100
<b>Industrial Training</b>							
Teacher Education Course [SE-2]	E030805R	School Experience-2 (6 weeks) [SE-2]	<b>6</b>	25	--	75	100

**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-I**

Year: First		Semester: First					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course)</b>							
Physics	B010101T	Mathematical Physics & Newtonian Mechanics	04	25	75	--	100
	B010102P	Mechanical Properties of Matter	02	25	--	75	100
Chemistry	B020101T	Fundamentals Chemistry	04	25	75	--	100
	B020102P	Quantitative Analysis	02	25	--	75	100
Mathematics	B030101T	Differential Calculus & Integral Calculus	04	25	75	--	100
	B030102P	Practical	02	25	--	75	100
Botany	B040101T	Microbiology & Plant Pathology	04	25	75	--	100
	B040102P	Techniques in Microbiology & Plant Pathology	02	25	--	75	100
Zoology	B050101T	Cytology, Genetics and Infectious Diseases	04	25	75	--	100
	B050102P	Cell Biology and Cytogenetic Lab	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-1]	E030101T	Development of Education in India and Contemporary Issues	6	25	75	--	100

<b>Pedagogy (Vocational Course)</b>							
Teacher Education Course [PS-1]	E030102T	Pedagogy of Sciences	<b>3</b>	<b>25</b>	<b>75</b>	--	<b>100</b>
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-1]	Z010101T	Food, Nutrition and Hygiene	<b>2</b>	<b>25</b>	<b>75</b>	--	<b>100</b>
<b>Industrial Training</b>							
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**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-II**

Year: First		Semester: Second					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-I</b>							
Physics	B010201T	Thermal Physics & Semiconductor Devices	04	25	75	--	100
	B010202P	Thermal Properties of Matter & Electronic Circuits	02	25	--	75	100
Chemistry	B020201T	Bioorganic and Medicinal Chemistry	04	25	75	--	100
	B020202P	Biochemical Analysis	02	25	--	75	100
Mathematics	B030201T	Matrices and Differential Equations & Geometry	06	25	75	--	100
Botany	B040201T	Archegoniates & Plant Architecture	04	25	75	--	100
	B040202P	Land Plants Architecture	02	25	--	75	100
Zoology	B050201T	Biochemistry and Physiology	04	25	75	--	100
	B050202P/R	Physiological, Biochemical & Hematology Lab	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-2]	E030201T	Philosophical and Sociological Foundations of Education [TEC-2]	6	25	75	--	100

<b>Elective Course</b>							
Elective Course [EC-1]	TECEC-1	Special Education	6	25	75	--	100
<b>Pedagogy (Vocational Course)</b>							
Teacher Education Course [EWP-1]	E030202P	Engaging with Pedagogies [EWP-1]	3	25	--	75	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-2]	Z020201	First Aid and Health	2	25	75	--	100
<b>Industrial Training</b>							
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**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-III**

Year: Second				Semester: Third			
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-II</b>							
Physics	B010301T	Electromagnetic Theory & Modern Optics	04	25	75	--	100
	B010302P	Demonstrative Aspects of Electricity & Magnetism	02	25	--	75	100
Chemistry	B020301T	Chemical Dynamics & Coordination Chemistry	04	25	75	--	100
	B020302P	Physical Analysis	02	25	--	75	100
Mathematics	B030301T	Algebra & Mathematical Methods	06	25	75	--	100
Botany	B040301T	Flowering Plants Identification & Aesthetic Characteristics	04	25	75	--	100
	B040302P	Plant Identification Technology	02	25	--	75	100
Zoology	B050301T	Molecular Biology, Bioinstrumentation & Bio-techniques	04	25	75	--	100
	B050302P	Bioinstrumentation & Molecular Biology Lab	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-3]	E030301T	Psychological Foundations of Education [TEC-3]	6	25	75	--	100
<b>Pedagogy (Vocational Course)</b>							
Teacher Education Course [PS-2]	E030302T	Pedagogy of Sciences -2	3	25	75	--	100

<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-3]	Z030301	Human Values and Environment Studies	2	25	75	--	100
<b>Industrial Training</b>							
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## B.Sc.-B.Ed. Programme

### Course Structure Semester-IV

Year: Second				Semester: Fourth			
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester-III</b>							
Physics	B010401T	Perspectives of Modern Physics & Basic Electronics	04	25	75	--	100
	B010402P	Basic Electronics Instrumentation	02	25	--	75	100
Chemistry	B020401T	Quantum Mechanics and Analytical Techniques	04	25	75	--	100
	B020402P	Instrumental Analysis	02	25	--	75	100
Mathematics	B030401T	Differential Equation & Mechanics	06	25	75	--	100
Botany	B040401T	Economic Botany, Ethnomedicine & Phytochemistry	04	25	75	--	100
	B040402P	Commercial Botany & Phytochemical Analysis	02	25	--	75	100
Zoology	B050401T	Gene Technology, Immunology and Computational Biology	04	25	75	--	100
	B050402P/R	Genetic Engineering and Counseling Lab	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-4]	E030401T	Structure and Management of School Education in India [TEC-4]	<b>6</b>	<b>25</b>	<b>75</b>	<b>--</b>	<b>100</b>

<b>Elective Course</b>							
Elective Course [EC-2]	TECEC-2	Environmental Education	6	25	75	--	100
<b>Pedagogy (Vocational Course)</b>							
Teacher Education Course [EWP-2]	E030402P	Engaging with Pedagogies-2 [EWP-1]	3	25	--	75	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-4]	Z040401	Physical Education and Yoga	2	25	75	--	100
<b>Industrial Training</b>							
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**B.Sc.-B.Ed. Programme**  
**Course Structure**  
**Semester-V**

Year: Third			Semester: Fifth				
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subjects (Core Course) on the Basis of Semester IV</b>							
Physics	B010501T	Classical & Statistical Mechanics	04	25	75	--	100
	B010502T	Quantum Mechanics & Spectroscopy	04	25	75	--	100
	B010503P	Demonstrative Aspects of Optics & Lasers	02	25	--	75	100
Chemistry	B020501T	Organic Synthesis-A	04	25	75	--	100
	B020502T	Rearrangements and Chemistry of Group Elements	04	25	75	--	100
	B020503P	Qualitative Analysis	02	25	--	75	100
	B020504R	Research Project	03			100	100
Mathematics	B030501T	Group and Ring Theory & Linear Algebra	05	25	75	--	100
	B030502T	<b>Any one of the Following-</b> (i) Number Theory & Game Theory (ii) Graph Theory & Discrete Mathematics (iii) Differential Geometry & Tensor Analysis	05	25	75	--	100
Botany	A050501T	Plant Physiology, Metabolism & Biochemistry	04	25	75	--	100
	A050502T	Molecular Biology & Bioinformatics	04	25	75	--	100
	A050503P	Experiments in physiology, Biochemistry & molecular biology	02	25	--	75	100
	A050504R	*Project-I	03	--	--	100	100
Zoology	B050501T	Diversity of Non-Chordates, Parasitology and Economic Zoology	04	25	75		100
	B050502T	Diversity of Chordates and Comparative Anatomy	04	25	75		100

	B050503P	Lab on Virtual Dissection, Anatomy, Economic Zoology and Parasitology	02	25	--	75	100
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-5]	E030501T	Education for Value, Peace, and Global Citizenship [TEC-5]	5	25	75	--	100
Teacher Education Course [TEC-6]	E030502T	Education and Entrepreneurship [TEC-6]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-5]	Z050501	Analytic Ability and Digital Awareness	2	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [TP-1]	E030503P	Teaching Practice-1 (3 weeks) [TP-1]	3	25	--	75	100

**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-VI**

Year: Third		Semester: Sixth					
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Choose any Two Subject (Core Course) on the Basis of Semester-V</b>							
Physics	B010601T	Solid State & Nuclear Physics	04	25	75		100
	B010602T	Analog & Digital Principles & Applications	04	25	75		100
	B010603P	Analog & Digital Circuits	02	25	--	75	100
Chemistry	B020601T	Organic Synthesis-B	04	25	75	--	100
	B020602T	Chemical Energetic and Radiochemistry	04	25	75	--	100
	B020603P	Analytical Methods	02	25	--	75	100
	B020604R	Research Project	03	--	--	100	100
Mathematics	B030601T	Metric Space & Complex Analysis	04	25	75	--	100
	B030602T	Numerical Analysis & Operations Research	04	25	75	--	100
	B030603P	PRACTICAL	02	25	--	75	100
Botany	B040601T	Cytogenetics, Plant Breeding & Nanotechnology	04	25	75	--	100
	B040602T	Ecology & Environment	04	25	75	--	100
	B040603P	Cytogenetics, Conservation & Environment management	02	25	--	75	100
	B040604R	*Project-II	03	--	--	100	100
Zoology	B050601T	Evolutionary and Developmental Biology	04	25	75	--	100
	B050602T	Ecology, Ethology, Environmental Science and Wildlife	04	25	75	--	100
	B050603P	Lab on Environmental Science, Behavioral Ecology, Developmental Biology, Wildlife, Ethology.	02	25	--	75	100

<b>Teacher Education Course</b>							
Teacher Education Course [TEC-7]	E030601T	Managing and Creating an Inclusive School [TEC-7]	5	25	75	--	100
Teacher Education Course [TEC-8]	E030602T	Learning and Teaching [TEC-8]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Co-Curricular Course [CCC-6]	Z060601	Communication Skills and Personality Development	2	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [TP-2]	E030603P	Teaching Practice-2 (3 weeks) [TP-2]	3	25	--	75	100

**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-VII**

Year: Fourth					Semester: Seventh		
Subject Description	Subject Code	Subject Title (Theory & Practical)	Credits	Continuous Internal Evaluation (CIE)	University Exam. (UE)		Max. Marks
					Theory	Practical	
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-9]	E030701T	ICT and School Education [TEC-9]	5	25	75	--	100
Teacher Education Course [TEC-10]	E030702T	Assessment for Learning [TEC-10]	5	25	75	--	100
<b>Co-Curricular Course</b>							
Teacher Education Course [ETC-1]	E030703T	Teacher Happiness and Wellbeing [ETC-1]	5	25	75	--	100
<b>Vocational Course</b>							
Teacher Education Course [FE-1]	E030704R	Field Engagement-1 (5 weeks) [FE-1]	5	25	75	--	100
<b>Industrial Training</b>							
Teacher Education Course [SE-1]	E030705R	School Experience-1 (6 weeks) [SE-1]	6	25	75	--	100

**B.Sc.-B.Ed. Programme  
Course Structure  
Semester-VIII**

<b>Year: Fourth</b>				<b>Semester: First</b>			
<b>Subject Description</b>	<b>Subject Code</b>	<b>Subject Title (Theory &amp; Practical)</b>	<b>Credits</b>	<b>Continuous Internal Evaluation (CIE)</b>	<b>University Exam. (UE)</b>		<b>Max. Marks</b>
					<b>Theory</b>	<b>Practical</b>	
<b>Teacher Education Course</b>							
Teacher Education Course [TEC-11]	E030801T	Emerging Trends in School Education [TEC-11]	<b>5</b>	25	75	--	100
Teacher Education Course [TEC-12]	E030802T	Profession of Teaching and Professional Development of Teachers [TEC-12]	<b>5</b>	25	75	--	100
<b>Elective Course</b>							
Elective Course [EC-3]	TECEC-3	Computer Application in Education	<b>6</b>	25	75	--	100
<b>Co-Curricular Course</b>							
Teacher Education Course [ETC-2]	E030803T	Teacher as Reflective Practitioner and Researcher [ETC-2]	<b>5</b>	25	75	--	100
<b>Vocational Course</b>							
Teacher Education Course [FE-2]	E030804R	Field Engagement-2 (5 weeks) [FE-2]	<b>5</b>	25	--	75	100
<b>Industrial Training</b>							
Teacher Education Course [SE-2]	E030805R	School Experience-2 (6 weeks) [SE-2]	<b>6</b>	25	--	75	100

## **10. Examinations/Assessments**

### **10A. Internal/ Sessional Examination**

- (a) The minimum Grade required to pass in each Theory & Practical paper is 'GRADE D'.
- (b) A candidate, in order to pass must satisfy the requirement of Minimum CGPA of 4.50 in a particular academic year inclusive of both semesters of that academic year subject to conditions of clause 10D.
- (c) In case of audit/qualifying paper the minimum Grade required to pass is Grade D. However, the Grade obtained in audit paper shall not be included in SGPA.

### **10B. End-Semester Examination**

There will be two End Semester Examinations in all theory and project subjects viz. Odd (I, III V and VII) Semester Examination and Even (II, IV, VI and VIII) Semester Examination in an academic year.

### **10C. Carry Forward of Marks**

In case, if a student gets the back in a course/paper, the sessional marks of the subject concerned will carried forward in the total of marks when he re-appears for the examination of the course in which he has got the back.

### **10D. Heads of Passing**

- (a) The minimum passing marks in each theory subject (including Internal/Sessional marks) will be 35%.
- (b) The minimum passing marks in each comprehensive viva/project will be 50 %.
- (c) A student, in order to pass must satisfy the following:  
Minimum 45% marks in aggregate of a particular academic year inclusive of both semesters of that academic year subject to the conditions of the clause 7B.

### **10E. Carry Over System**

Maximum number of carry over papers (Theory/viva/project) permissible for promotion to next year will be 05.

### **10F. Promotion**

- (a) A candidate satisfying all the requirements under clause 10A shall be promoted to the next academic year of study.

(b) A candidate shall be eligible for provisional promotion with carryover (PCP status) to the next academic year of study provided he/she fails to satisfy the requirements of clause 10A (a) in not more than permissible carry over paper as mentioned in clause 10D.

(c) If a candidate satisfies the requirement of clause 10A (a) but fails to satisfy the requirement of 10A (b) he/she shall be eligible for provisional promotion with carryover (PCP-A {aggregate} status). He/she may choose up to a maximum of any 04 theory papers of that particular academic year as per his/her choice to pass the examination of that.

### **10G. Ex-studentship**

A student of B.A.-B.Ed., B.Sc.-B.Ed. course, who has completed all the desired activities/internal tests/attendance etc. throughout the semester but could not appear in the examination or appeared in the examination but failed in more than one papers, may be allowed to appear in the examination of next semester as an ex-student. The internal marks received in previous semester shall be carried over.

### **11. Evaluation of Performance**

(a) **Programmes:** Evaluation of performance of the students in a programme shall be a continuous process based on their performance in the class test, quizzes, assignments and the end semester examinations.

#### **Theory papers in semester system (Maximum Marks: 100)**

The evaluation will be done through two class test and one end semester examination.

This will be in addition to quizzes, assignments, attendance, etc. Each class test will carry a weightage of 10 marks, and the end semester examination will carry a weightage of 70 marks. The remaining 05 marks will be awarded on the basis of attendance and performance in quizzes and assignments.

**Time:** 3 Hours

**Full Course**

**Maximum Marks:** 70

### **Types of Questions**

1. MCQ type question
2. Long Answer Type question

25 Questions x 1 Marks=25.

5 Questions x 10 Marks = 50

**Total = 75**

### **12. Award of Division**

- (a) The division shall be awarded on the basis of final year result.
- (b) If a student passes all examinations and secure minimum Final CGPA 4.50 to 5.99, he/she shall be eligible for the award of SECOND DIVISION.
- (c) If a student passes all examinations and secure minimum Final CGPA 6.00 to 7.49, he/she shall be eligible for the award of FIRST DIVISION.
- (d) If a student passes all examinations in first attempt without change of Grade and secures minimum Final CGPA 7.50 & above, he/she shall be eligible for the award of FIRST DIVISION WITH HONOURS.

### **13. Scrutiny and Re-evaluation**

- (a) Scrutiny shall be allowed in only theory papers, in which Re-totaling of the marks awarded will be done and only unchecked answers (if any) will be evaluated.
- (b) Re-evaluation of theory/practical papers is not permitted.

### **14. Unfair Means**

Cases of unfair means shall be dealt as per the rules of the University.

### **15. Result**

- (a) The result of a candidate shall be declared on the basis of the performance of both semesters of the same academic year.
- (b) Result of the final year shall be declared on the basis of working out Final CGPA which is the weighted average of CGPA of all years of the study.

### **16. Improvement**

There shall be no provision of Improvement examination in all the courses running in the University.

### **17. Grade Card**

(a) A copy of the Grade Card shall be issued to each student at the end of each academic year. The duplicate copy, if required can be obtained on payment of prescribed fee.

(b) The Grade Report Card of a student may be withheld if he/she has not paid his/her dues or if there is a case of indiscipline pending against him/her or for any other such reasons.

### **18. Re-Admission**

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

(a) A candidate is declared fail.

(b) A candidate promoted with carry over papers and opts for re-admission.

### **19. Duration for completion of the Programme**

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.