

॥ न हि ज्ञानेन सर्वशं पवित्रमिह विद्यते ॥

ભારતીય શિક્ષક પ્રશિક્ષણ સંસ્થાન

**Indian Institute of Teacher Education**

(A State Public University established by Government of Gujarat)

**LIST OF COURSES**

**ACADEMIC YEAR: 2019-2020**

**Programme: B.Sc. B.Ed. Programme**

Subjects: Botany & Zoology (Science Component) (Zoology is offered only up to 2 semester)	
Course Code	Name of the Course
30131010	Cryptogamic Botany-I & Microbiology
30131030	Economic Botany
31131020	Invertebrate Zoology I
31131010	Vertebrate Zoology I
30132020	Genetics & Evolution
30131010	Cryptogamic Botany II
31131020	Invertebrate Zoology II
31132010	Vertebrate Zoology II
30133010	Plant Taxonomy
30133020	Gymnosperm and Paleobotany
30133030	Practical of Plant Taxonomy, Gymnosperm and Paleobotany
30134010	Economic Botany
30134020	Plant Ecology
30134030	Practical of Plant Ecology and Cell Biology
30135010	Plant Physiology
30135020	Plant Tissue Culture
30135030	Practical: Plant Physiology and Plant Tissue Culture
30135041	Biostatistics
30135042	Plant Biodiversity
30136010	Plant Anatomy
30136020	Plant Embryology
30136030	Practical: Plant Anatomy and Plant Embryology
30136041	Biochemistry
30136042	Microbiology
30137010	Horticulture
30137020	Plant Pathology
30137030	Practical: Horticulture and Plant Pathology
30137041	Environmental Biology
30137042	Biophysics
30138010	Molecular Biology
30138020	Ethnobotany
30138030	Practical of Molecular Biology and Ethnobotany
30138041	Plant Breeding
30138042	Climate Change



(Prof. Himanshu C. Patel)

*H.C. Patel*  
8/31/20

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**ACADEMIC YEAR: 2019-2020**

**Programme: B.Sc. B.Ed. Programme**

<b>Subjects: Chemistry (Science Component)</b>	
<b>Course Code</b>	<b>Name of the Course</b>
30141010	Basic organic chemistry
30141020	Chemical Bonding
30142010	States of Matter
30142020	Analytical and Environmental Chemistry-I
30143010	Physical Chemistry-I
30143020	Chemistry of Hydrocarbons
30143030	Practical: Semi Micro and Volumetric Analysis
30144010	Organic Chemistry-I
30144020	Inorganic Chemistry
30144030	Practical: Organic Estimations, Inorganic Preparations and Optical Analysis
30145010	Organic Chemistry-II
30145020	Physical Chemistry-II
30145030	Practical: Organic Separation and Instrumental Analysis
30145041	Polymer Chemistry
30145042	Advanced Inorganic Chemistry-I
30146010	Organic Chemistry-III
30146020	Thermodynamics
30146030	Practical: Organic Mixture Separation and Thermochemistry
30146041	Analytical and Environmental Chemistry-II
30146042	Advanced Inorganic Chemistry-II
30147010	Heterocyclic and Organometallic Chemistry
30147020	Chromatography
30147030	Practical: Organic Synthesis and Chromatographic Analysis
30147041	Industrial Chemistry-I
30147042	Advanced Inorganic Chemistry-III
30148010	Spectroscopy
30148020	Analytical and Green Chemistry
30148030	Practical: Organic Synthesis and Spectroscopic Analysis & Instrumental Analysis
30148041	Industrial Chemistry-II
30148042	Advanced Physical Chemistry
30148050	Project Work



(Prof. Himanshu C. Patel)  
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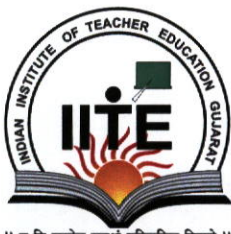
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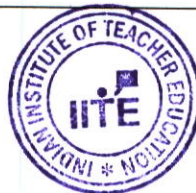
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**LIST OF COURSES**

**ACADEMIC YEAR: 2019-2020**

**Programme: B.Sc. B.Ed. Programme**

<b>Subjects: Mathematics (Science Component)</b>	
<b>Course Code</b>	<b>Name of the Course</b>
30111010	Calculus of Function of One Variable
30111020	Linear Algebra-I
30112010	Ordinary Differential Equations
30112020	Coordinate Geometry
30113010	Vector Calculus
30113020	Linear Algebra-II
30113030	Practical: Vector Calculus and Linear Algebra-II
30114010	Statistical Methods
30114020	Calculus - Function of Several Variables
30114030	Practical: Statistical Methods and Calculus - Function of Several Variables
30115010	Complex Analysis-I
30115020	Abstract Algebra-I
30115030	Practical: Complex Analysis-I and Abstract Algebra-I
30115041	Linear Algebra-III
30115042	Partial Differential Equations
30116010	Graph Theory
30116020	Topology
30116030	Practical: Graph Theory and Topology
30116041	Number Theory
30116042	Real Analysis
30117010	Abstract Algebra-II
30117020	Numerical Analysis
30117030	Practical: Abstract Algebra-II and Numerical Analysis
30117041	Introduction to LATEX Programming
30117042	Introduction to C Language
30118010	Discrete Mathematical Structure
30118020	Operation Research
30118030	Practical: Discrete Mathematical Structure and Operation Research
30118041	Complex Analysis-II
30118042	Integral Transform
30118050	Project Work



**(Prof. Himanshu C. Patel)**

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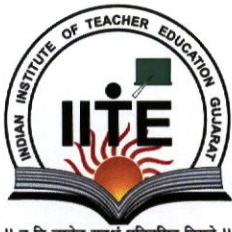
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**Indian Institute of Teacher Education**

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**LIST OF COURSES**

**ACADEMIC YEAR: 2019-2020**

**Programme: B.Sc. B.Ed. Programme**

<b>Subjects: Physics (Science Component)</b>	
<b>Course Code</b>	<b>Name of the Course</b>
30121010	General Physics
30121020	Optics-I
30122010	Electricity, Electrostatics and Magnetostatics
30122020	Nuclear Physics
30123010	Solid State Physics-I
30123020	Optics-II
30123030	Practical: Solid State Physics-I and Optics-II
30124010	Electronics-I
30124020	Modern Physics
30124030	Practical: Electronics-I and Modern Physics
30125010	Thermodynamics and Statistical Physics
30125020	Classical Mechanics and Special Theory of Relativity
30125030	Practical: Thermodynamics and Statistical Physics and Classical Mechanics and Special Theory of Relativity
30125041	Nanoscience
30125042	Experimental and Measurement Techniques
30126010	Solid State Physics-II
30126020	Electrodynamics and Plasma Physics
30126030	Practical: Solid State Physics-II and Electrodynamics and Plasma Physics
30126041	Remote Sensing
30126042	Atmospheric and Space Science
30127010	Mathematical Physics
30127020	Electronics-II
30127030	Practical: Electronics-II
30127041	Astronomy and Astrophysics
30127042	Biophysics
30128010	Quantum Mechanics
30128020	Atomic and Molecular Spectroscopy
30128030	Practical: Atomic and Molecular Spectroscopy
30128041	Numerical Analysis and Computational Physics
30128042	Instrumentations and Sensors
30128050	Project Work



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**LIST OF COURSES**

**ACADEMIC YEAR: 2019-2020**

**Programme: B.Sc. B.Ed. / B.A.B.Ed. Programme**

Subject: Education Component (The courses listed here are common in both B.Sc. B.Ed. & B.A. B.Ed. Programme)	
Course Code	Name of the Course
10311010	English: CS-I
10311020	REL Gujarati-I Dhvani Parichay ane Sarjnatmak Lekhan Kaushalya
10321010	Information and Communication Technology - I
10321020	Yoga Studies-I
10321030	Performing Arts - I
10321040	Sports - I
10322010	Information and Communication Technology - II
10322020	Yoga Studies-II
10322030	Performing Arts - II
10322040	Sports - II
10343010	Drama and Art in Education
20313010	Development of Learner: Conception to Age 11 (Child Psychology)
40313010	Introduction to Curriculum and Curriculum Development: Concept
20324010	Development of Learner: Adolescent(Psychology of Adolescence)
40324010	Principles and Theories of Curriculum Transactions
50314010	Pre-Practice Teaching - I
10335010	Understanding the Self
20335010	Learner and Learning: From Conception to Adolescence (Motor Skill Development Linguistic
20355010	Learner and Indian Society
40345010	Developing Communication for Effective Curriculum Transaction
40285010	Pedagogy of Teaching Language English - I
40295011	Pedagogy of Teaching Language Sanskrit - I
41205012	Pedagogy of Teaching Language Gujarati - I
41215013	Pedagogy of Teaching Language Hindi - I
41225014	Pedagogy of Teaching Social Science - I
50315010	Pre-Practice Teaching - II
20346010	Teacher and Indian Society
20366010	School and Community
20376010	Indian Perspectives of Education (Theories and Principles of Teaching and Learning
40286010	Pedagogy of Teaching Language English - II

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40296011	Pedagogy of Teaching Language Sanskrit- II
41206012	Pedagogy of Teaching Language Gujarati- II
41216013	Pedagogy of Teaching Language Hindi- II
41226014	Pedagogy of Teaching Social Science - II
41336010	Principles and theories of assessment and Evaluation
40338010	Knowledge: Concept
50326010	Practice Teaching - I
10357010	Critical Understanding of ICT
20387010	Global Perspectives of Education (Theories and Principles of Teaching and Learning)
40347010	Comparative Studies of Curriculum
40287010	Pedagogy of Teaching Language English - III
40297011	Pedagogy of Teaching Language Sanskrit- III
41207012	Pedagogy of Teaching Language Gujarati- III
41217013	Pedagogy of Teaching Language Hindi- III
41227014	Pedagogy of Teaching Social Science - III
50327010	Practice Teaching - II
50337010	Internship: Block Teaching
10368010	Reading and Reflecting on Text
20398010	Teacher in Emerging Indian Society
50348010	Internship - I
50358010	Understanding the School as Organization (Project)
10311020	REL: Gujarati-I
10311030	REL: Hindi-I
10312020	REL: Gujarati-II
10312030	REL: Hindi-II
10313030	Sanskrit (ICL) Shrimad Bhagvad Gita (Shlok 1-30) and Meghdutam
10314030	Sanskrit (ICL) Ishavasyo Upnishad & Nitishatak (Shlok 1-30)
40165010	Pedagogy of Teaching Mathematics-I
40175010	Pedagogy of Teaching Sciences-I
40166010	Pedagogy of Teaching Mathematics-II
40176010	Pedagogy of Teaching Sciences-II
40167010	Pedagogy of Teaching Mathematics-III
40177010	Pedagogy of Teaching Sciences-III



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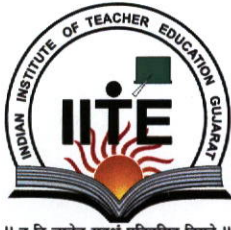
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**LIST OF COURSES**

**ACADEMIC YEAR: 2019-2020**

**Programme: B.A.B.Ed. Programme**

<b>Subject: Gujarati, Sanskrit, Hindi, History, Political Science (Arts)</b>	
<b>Course Code</b>	<b>Name of the Course</b>
30251010	Grammar and Usage
30251020	Introduction to Literature
30261010	Sahitya Swarupo ane Mirana Pado
30281010	Sanskrit Varnamala ane itihās
30291010	Ancient History of India (Earliest Period)
31201010	Introduction to Civics
31211010	Introduction To Geography
31211020	Regional Geography Of Gujarat- I
30261020	Ras Tarngini
30271010	Adhunik Hindi Kavita
30271020	Hindi Bhasha Aur Vyakran
30291010	Ancient History Of India
30291020	History And Allied Disciplines
31221010	Introduction To Political Science
31221020	Introduction To Government Machinery
30281010	Kavya Sahitya
30281020	Natya Sahitya
Not Available	Elementary Economics -I
Not Available	Indian Economy -I
10312010	English: CS-II
10312020	Shabdna Rupo ane Abhivyakti Ritio
30252010	Introduction to Academic Writing
30252020	Study of Literary Forms: Short Story
30262010	Padya Sahitya Swarupono Abhyas
30272010	Adhunik Hindi Kavita
30292010	Ancient History of India (From Maurya Empire to Mughal Empire)
31212010	Introduction to Geography
31212030	Basics of Geomorphology
31212020	Regional Geography of Gujarat
201	Swaroop : Khand Kavya Shreshtha Gujarat Khand kavya
30262020	Gadya: Laghu Nawal Priyajan [vinay sanatan]
30272012	Kahani: Paribhasha aur or Swaroop
30272013	Chayavadottar: Hindi Kavita



रामकृष्ण परमहंस विद्या संकुल, महात्मा मंदिर प्रांगण, अ. रोड, सेक्टर-१५, गांधीनगर, गुजरात - ३८२०१६

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30292030	Ancient History of India (From Maurayan Empire to Harshvardhana)
30292020	History of World - From Stone Age to Greek Civilization
31222010	Introduction to Political Science II
31222020	Introduction to Governmental Machinery II
30282010	Katha Sahityam
104	Sahityasashtram
103	Elementary Economics II
104	Indian Economy II
10313010	English: CS-III
10313030	Sanskrit - I
30253010	History of English Literature - I (Old English Period to Restoration Period)
30253020	Major Literary Texts (Old English Period to Restoration Period)
30253030	Introduction to Linguistics
30263010	Arvachin Sahitya no Itihas (1850 thi....)
30273010	Upanyas Swarup aur Prakar: Godan - Premchand
30283010	Shimad Bhagwat Gite
10314010	English: CS-IV
10314030	Sanskrit - II
30254010	History of English Literature - II (17th Century to Romantic Period)
30254020	Major Literary Texts (17th Century to Romantic Period)
30254030	English Language Teaching
30264010	Gadya Sahitya no Abhyas
30274020	Nibandhettar Gadya Vidhyae
30284010	Charak Sanhita
30255010	History of English Literature - III (Victorian Period to 20th Century: Early Writers)
30255020	Major Literary Texts (Victorian Period to 20th Century: Early Writers)
30255030	English in India
30255041	Teaching Literature at School Level
30255042	Indian Schools of Literary Criticism
30256010	History of English Literature - III (20th Century to the End of Millennium)
30256020	Major Literary Texts (20th Century to the End of Millennium)
30256030	Study of Literary Forms
30256041	Translation Studies
30256042	Indian Literature in Translation
30257010	Introduction to Literary Criticism - I
30257020	Study of Literary Forms: Essay and Novel
30257030	Indian Writing in English



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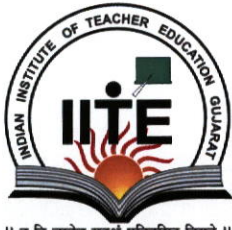
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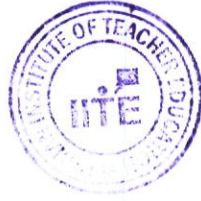
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30257041	Women's Writing
30257042	ELT in Higher Education
10368010	Reading and Reflecting on Text
20398010	Teacher in Emerging Indian Society
30258010	Introduction to Literary Criticism - II
30258020	Study of Literary Forms: Poetry and Drama
30258030	American Literature
30258041	Comparative Literature
30258042	Postcolonial Literature
30258050	Project Work




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8/3/22  
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