



Sulochana Belhekar Samajik Va Bahu Uddieshiya Shikshan Santha

## Sant Dnyaneshwar B.Ed. College

NCTE Code No. APW05389/123665, (Marathi Medium)

Affiliated to Savitribai Phule Pune University PU/AN/B. Ed.097/2008

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### 6.2.4 : Objectives of the Courses

#### B. Ed. SYLLABUS FRAMEWORK 2015

(Based on NCTE Regulations 2014)

#### B.Ed. FIRST YEAR

Course Code	Title of the Course	Credits	Hours	Marks (External +Internal)
<b>PERSPECTIVES OF EDUCATION – CORE COURSES</b>				
BED101	Childhood and Growing up	4	64	80+20
BED102	Contemporary Indian Education, Gender and Society	4	64	80+20
BED103	Learning and Teaching	4	64	80+20
BED104	Assessment and Evaluation for Learning	4	64	80+20
BED105	Advanced Pedagogy and Application of ICT	4	64	80+20
<b>SPECIALIZED COURSES- OPTIONAL COURSES</b>				
BED106 01 to 11	Understanding disciplines and school subjects (any two from the list No. 1)	4 (2+2)	64 (32+32)	40+10 40+10
BED107 01 to 11	Pedagogy of school subjects (any two from the list No. 2)	4 (2+2)	64 (32+32)	40+10 40+10
<b>PRACTICING FOR CONSTRUCTIVIST TEACHING LEARNING</b>				
BED108	<b>Teaching Competency I</b> (a)Micro Teaching (b)Integration Lessons and Simulation Lessons	2	32	50
BED109	<b>Teaching Competency II</b> (a) Technology based teaching (b) Team teaching (c)Lessons using Models of teaching	2	32	50
BED110	<b>Teaching Competency III</b> (a)Practice Lessons (b) Introduction to Internship	4	64	100
<b>ENHANCING PROFESSIONAL CAPACITIES</b>				
BED 111	A) Critical understanding of ICT – Practical B) Co-curricular Activities and social service	2 (1+1)	32 (16+16)	50 (25+25)
BED 112	Health and Yoga	2	32	50
	<b>Total</b>	<b>40</b>	<b>640</b>	<b>1000</b>

## B.Ed. SECOND YEAR

Course Code	Title of the Course	Credits	Hours	Marks (External +Internal)
<b>PERSPECTIVES OF EDUCATION – CORE COURSES</b>				
BED 201	Quality and Management of School Education	4	64	80 + 20
BED 202	Knowledge and curriculum, Language across curriculum	4	64	80 + 20
BED 203	School and Inclusive School	4	64	80 + 20
<b>SPECIALIZED COURSES- OPTIONAL COURSES</b>				
BED 204	Elective (any one from the list No. 3)	4	64	80 + 20
BED 205 01 to 28	Additional Pedagogy Course : Understanding disciplines and Pedagogy of school subject (any one from the list No. 4)	4 (2+2)	64 (32+32)	40 + 10 40 + 10
<b>PRACTICING FOR CONSTRUCTIVIST TEACHING LEARNING</b>				
BED 206	<b>Teaching Competency IV:</b> Practice Lessons	2	32	50
BED 207	<b>Teaching Competency V:</b> Internship	8	128	200
<b>ENHANCING PROFESSIONAL CAPACITIES</b>				
BED 208	Reading and Reflecting on Texts	2	32	50
BED 209	Understanding of Self	2	32	50
BED 210	Basics of Research	2	32	50
BED 211	Drama and Art in Education	2	32	50
BED 212	Open Course or Entrepreneurship Development	2	32	50
<b>TOTAL</b>		<b>40</b>	<b>640</b>	<b>1000</b>

## **General objectives of the B. Ed. Programme**

To enable the student teacher:

1. To integrate the study of subject knowledge, human development, pedagogical knowledge and communication skill in student teachers.
2. To promote capabilities for inculcating national values and goals as mentioned in the Constitution of India.
3. To act as agents of modernization and social change.
4. To promote social cohesion, international understanding and protection of human rights and rights of the child.
5. To become competent and committed professionals willing to perform the identified tasks.
6. To use competencies and skills needed for becoming an effective teacher in a normal setup and in an inclusive setup.
7. To understand, develop and apply various evaluation procedures in education.
8. To be sensitive student teacher about emerging issues such as environment, population, gender equality, legal literacy, critical understanding of ICT, yoga education, etc.
9. To inculcate rational thinking and scientific temper among the students.
10. To develop critical awareness about the social realities among the students.
11. To use managerial and organizational skills.
12. To enrich himself/herself by actual engagement in the field.
13. To enable him/her to become aware about the day to day problems in the field and develop the capacity to solve them through research.
14. To develop an understanding of the interdisciplinary perspectives in education
15. To develop the habit of reflective teaching among the student teachers.
16. To enhance professional capacities like reading and reflecting on texts, understanding of self, understanding the use of drama and art in education, etc.

### **BED101: Childhood and Growing Up**

Objectives: To enable the student teacher to:

1. Understand the growth and development of the learner and its importance in the teaching learning process with special reference to adolescent stage.
2. Become aware regarding the individual differences among learners

3. Identify the educational needs of diverse learners.
4. Get acquainted with the new (contemporary) theories of learning.
5. Understand Political, Social and Cultural dimensions along with their implications on childhood and growing up.
6. Become familiar with the impact of mass communication media on childhood and growing up.

## **B.ED 102: Contemporary Indian Education, Gender & Society**

Objectives: To enable the student teacher to:-

1. Understand the concept and aims of education.
2. Learn the concept of social change and process of social change.
3. Develop gender sensibility amongst student teacher.
4. Make student understand about the gender issues faced in school.
5. Make them aware about constitutional provision regarding gender education.
6. Identify the contemporary issues in education.
7. Make them aware about the contribution of thinkers in education

## **BED 103: Learning and Teaching**

Objectives: - To enable the student teacher to:-

1. Understand the concept of learning
2. Comprehend the theories of learning
3. Appreciate the idea of learning as construction of knowledge
4. Realize the connection between learning in school and learning outside school
5. Recognize the relationship between teaching and learning
6. Analyze the complex process of teaching
7. Acquaint themselves with different approaches of teaching that support learning
8. Value the relevance of reflection in the teaching learning process

9. Realize the significance of the context in which the teaching learning process occurs
10. Acknowledge that teaching is a profession

## **BED 104: Assessment and Evaluation For Learning**

Objectives:

To enable the student to:-

1. Understand the process of evaluation.
2. Develop the skill in preparing, administering and interpreting the achievement test.
3. Understand and use different techniques and tools of evaluation for learning.
4. Comprehend the process of assessment for learning
5. Develop skills necessary to compute basic statistical measures to assess the learning.

## **BED 105: Advanced Pedagogy and Application of ICT**

Objectives: To enable the student teacher to

1. Understand the concept of Advanced Pedagogy and its implementation in classroom
2. Use of Pedagogical methods to meet the needs of diverse learners.
3. Understand the concept, need and importance of ICT and its application in education
4. Understand ICT based teaching-learning strategies & resources.
5. Create awareness about appropriate use of ICT
6. Develop educational material using advanced pedagogical strategies and ICT tools

## **BED- 106-01- Understanding Disciplines and School Subjects**

Objectives: To enable the students to:-

1. Acquire proficiencies in listening, speaking, reading, writing and communication skills.
2. Acquaint with essential aspects of English Grammar and composition.
3. Understand the scope of syllabi in English.
4. Develop interest and attitude towards English as foreign language.

## **BED 106- 06: Understanding Disciplines and School Subjects**

Objectives:-

1. To enable the student teacher to1. Understand the Indian Culture and World.
2. Realize the concept of Election Process.
3. Take interest in the study of Fundamental Rights & Human Rights.
4. Appreciate the significance and the role of Political Parties, Government Bodies.
5. Realize the Importance of the contribution of Shivaji Maharaj in History.
6. Realize the importance of Movements for Freedom.
7. Comprehend the concept of democracy and different religious diversity of India.

## **BED 106-07: Understanding Disciplines and School Subjects**

Objectives

1. To enable student teachers to revise the knowledge of all Branches of Geography subject at school level.
2. To enable the student teachers to understand the interdependence and interrelationship among the various concepts and processes in Geography Subject.
3. To enable student teachers to acquire the skills related to map and instruments in Geography.
4. To develop a technique of observation and reporting of Geographical phenomenon among student teacher.
5. To create interest of Geography subject among student teachers.

## **BED 106-08: Understanding Disciplines and School Subjects**

**General Science**

Objectives: To enable student teacher to

- 1) Understand nature, scope & importance of general science at secondary level.

- 2) Analyze the textbook & content of general science at secondary level.
- 3) Understand life on the earth.
- 4) Understand the basic concepts of different branches of chemistry.
- 5) Understand concepts in Physics.
- 6) Familiarize facts, terms, concepts, laws & principles in general science.

## **BED 106-09: Understanding Disciplines and School Subjects**

### **Mathematics**

Objectives: To enable student teacher to

- 1) Understand nature, scope & importance of Mathematics at secondary level.
- 2) Analyze the textbook & content of Mathematics at secondary level.
- 3) Understand basic concepts in Arithmetic, algebra, and Geometry.
- 4) Familiarize facts, terms, concepts, laws & principles in Mathematics.
- 5) Apply basic concepts of Mathematics in daily life.

## **BED 106-10: Understanding Disciplines and School Subjects**

### **Economics**

Objectives:-To enable the student teacher to:

1. Understand the meaning, nature, scope & importance of Economics Subject & basic concepts of Economics.
2. understand various sources of Income & Concept Types & Importance of Budget.
3. Understand meaning, features, types & basic problems of economy
4. Understand concept, causes & effects of inflation & measures to control it.
5. Know about P.D.S. & Consumer Protection.
6. Understand concept of Economic Growth, Economic Development & Quality of Human life & their importance.
7. be aware about the major challenges before Indian Economy & their economic effects.

8. Know about economic reforms in India.
9. Understand the concepts of Micro & Macro Economics & their importance.
10. Know the meaning, scope & importance of Statistics in Economics.

## **BED 106-11: Understanding Disciplines and School Subjects**

### **Information and Communication Technology (ICT)**

#### Objectives

The student teachers should be able to

1. Acquire basic knowledge of Computers.
2. Study the ICT tools.
3. Make effective use of information and communication technology.
4. Understand the concepts in Multimedia.
5. Develop capabilities to access Information using Internet.
6. Learn the basic concepts of Computer Networking.
7. Acquire skills for creation of Basic Web Pages.
8. Acquaint with basic techniques and knowledge required for computing applications.
9. Be aware of cyber laws and ethics.

## **BED 107-01: Pedagogy of The School Subject**

### **Marathi**

Objectives: After studying this course the student-teacher will be able to

1. Understand the nature, scope and importance of the subject.
2. State the co-relation of the subject with other subjects.
3. State the objectives of teaching of the subject at secondary and higher secondary level.
4. Explain and use the different methods, approaches and techniques of teaching learning of subject.



5. Explain and understand the structure of subject.
6. Explain importance and use of core elements, life skills and values.
7. Analyze the textbook and content.
8. Explain the concept and types of curriculum and syllabus.
9. Analyze the various resources in teaching learning of subject.
10. Understand role and qualities of a good teacher.

## **BED 107-02: Pedagogy of The School Subject**

### **Hindi**

#### Objectives

1. To understand the nature, scope and importance of the Hindi subject.
2. To know and understand the objectives of teaching of the subject at secondary and higher secondary level.
3. To explain the use of different methods of teaching Hindi.
4. To understand the role and responsibilities of good Hindi teacher.
5. To acquaint the learner with all learning resources of Hindi subject.

## **BED 107-03: PEDAGOGY OF THE SCHOOL SUBJECT**

### **English**

#### Objectives:

To enable the student teacher to:-

1. Understand the nature, scope and importance of the subject.
2. State the objectives of the subject.
3. Explain and use different approaches, methods and techniques of teaching learning of subject.
4. Explain and understand the structure of subject
5. Explain the concept and types of curriculum and syllabus.

6. Explain the importance and use of core elements, values and life skills.
7. Analyze the text book and content.
8. Analyze the various resources in teaching learning of the subject.
9. Understand qualities of a good teacher.
10. Analyze and evaluate the new trends of current issues in the subject.

## **BED 107-06: Pedagogy of the School Subject**

Objectives: To enable the student teacher to

1. Understand the nature, scope and importance of the subject.

2. State the objectives of the subject.
3. Explain and use different approaches methods and techniques of teaching learning of subject.
4. Explain and understand the structure of subject.
5. Explain the concept and types of curriculum and syllabus.
6. Explain importance and use of core elements values and life skills.
7. Analyze the text book and content.
8. Analyze the various resources in teaching learning of subject.
9. Understand qualities of good teacher
10. To analyze and evaluate the new trends of current issues in subject.

## **BED 107-07: Pedagogy of the School Subject**

### **Geography**

Objectives: - To enable the student teacher to :-

1. Understand the nature, scope and importance of the subject.
2. State the objectives of the subject.
3. Explain and use different approaches, methods and techniques of teaching learning of subject.

4. Explain and understand the structure of subject.
5. Explain importance and use of core elements life skills & values.
6. Analyze the text book & content.
7. Explain the concept and types of curriculum and syllabus.
8. Analyze the various resources in teaching learning of subject.
9. Understanding qualities of good teacher.

## **BED 107- 08: PEDAGOGY OF THE SCHOOL SUBJECT**

### **General Science**

Objectives: To enable the student teacher to

1. Understand nature, scope & importance of general science at secondary & higher secondary level.
2. Analyze the textbook & content of general science at secondary & higher secondary level.
3. Implement methods & models of teaching learning of general science.
4. acquire the competencies of general science teacher
5. Familiarize facts, terms, concepts, laws & principles in general science.

## **BED 107-09- Pedagogy of the School Subject**

### **Mathematics**

Objectives: To enable student teacher to-

1. Understand nature, scope & importance of mathematics at secondary & higher secondary level.
2. Analyze the textbook & content of mathematics at secondary & higher secondary level.
3. Implement methods & models of teaching learning of mathematics.
4. acquire the competencies of mathematics teacher
5. Familiarize facts, terms, concepts, laws & principles in mathematics.

## **BED 107-10: Pedagogy of the School Subject**

### **Economics**

Objectives:

1. Understand the Nature, scope & importance of the subject.
2. State the objectives of the subject.
3. Explain and use different approaches methods and techniques of teaching learning of subject.
4. Explain and understand the structure of subject.
5. Explain the concept and types of curriculum and syllabus.
6. Explain importance and use of core elements value & Life skills.
7. Analyze the text book and content.
8. Analyze the various resources in teaching learning of subject.
9. Understand qualities of good teacher.

## **BED 107-11: Pedagogy of the School Subject Information and Communication Technology (ICT)**

Objectives: To enable student teacher to

1. Understand nature, scope & importance of ICT at secondary & higher secondary level.
2. Analyze the textbook & content of ICT at secondary & higher secondary level.
3. Implement methods & models of teaching learning of ICT.
4. Acquire the competencies of ICT teacher
5. Familiarize facts, terms, concepts, laws & principles in ICT.

## **BED 201 Title of Course: Quality and Management of School Education**

Objectives of Course: To enable the student teacher to

1. Understand the concept of Management.
2. Understand the concept of quality and enlist the dimensions of quality.
3. Understand the need and importance of school accreditation.
4. Acquire knowledge regarding the concept and process of Human Resource Management in school.
5. Get acquainted with the essential infrastructural resources for quality management.
6. Identify the problems and its management in secondary and Higher secondary education.
7. Become familiar with different types of school boards in India.
8. Understand the administrative set up of Government and function of supportive authorities.

## **BED 202 Knowledge & Curriculum and Language across the Curriculum**

Objectives:

To enable the student teacher to:

1. Understand the sources and generation of knowledge.
2. Realize the interrelationship between knowledge, information and skills in the present social context.
3. Understand the dimensions of curriculum development
4. Understand the social basis of framing curriculum
5. Get acquainted with the views of Indian thinkers on the social basis of framing curriculum.
6. Comprehend the concept and relevance of multilingualism in the Indian context.
7. Get acquainted with the activity based learning approaches.
8. Realize the concept and relevance of language in learning.
9. Become familiar with the strategies for developing language skills.

## **BED 203 Schools and Inclusive School**

Objectives:

To enable the student teachers to:

1. Understand the concept & nature of Inclusive Education.
2. Examine the status of Inclusive Education in India.
3. Understand the National policies, programmes and Acts with respect to the disabled.
4. Familiarize with the nature and needs of different categories of disabled children.
5. Understand inclusive instructional strategies.
6. Train the students to cope in an Inclusive setup.
7. Realize the various issues and concerns related with creation of an inclusive culture in school.
8. Analyze the role of teachers and teacher educators in facilitating Inclusive Education

## **BED204 -Elective Subjects Bed 204-01 Guidance and Counselling**

Objectives:

To enable the student teacher to:

1. Understand the concept and need of guidance.
2. Get acquainted with the principles and procedure of guidance.
3. Develop understanding about the role of school in guidance.
4. Understand the various areas in guidance.
5. Understand the concept, need and meaning of counselling.
6. Get acquainted with the principles and process of counselling.
7. Realize the qualities and role of a school counsellor.
8. Understand the tools and techniques in guidance and counselling.
9. Realize the need of counselling children with special needs and for parents.

## **BED204-02- Education for Human Rights and Peace Education**

Objectives:

To enable the student teacher to:

1. Understand the concept of human rights and child rights.
2. Realize the importance and need of human rights and child rights.
3. Grasp the role of the Constitution in human rights and child rights.
4. Comprehend the concept of peace education.
5. Recognize the importance of peace education in national development.
6. Know the pedagogy and evaluation for peace education.

## **BED 204-03- Women Education**

Objectives:

To enable student teachers to:

1. To understand the need, importance and objectives of women education
2. To explain advantages of women education.
3. To identify the problems related to women education.
4. To understand the history of women education.
5. To know the contribution of Thinkers on women education.
6. To make aware student teacher about constitutional provisions and government strategies on women education.
7. To enlighten on current issues in women education and women empowerment.

## **BED204-04 Lifelong Education**

Objectives:

To enable student teacher to:

1. Define meaning concept and scope of Lifelong Learning

2. Understand the needs of improving access for Lifelong Learning
3. Apply the tools and techniques of Lifelong Learning.
4. Understand the learning process.
5. Develop the awareness of community practices for lifelong learning.

## **BED 204-05 Population Education and Family Life Education**

Objectives: To enable the student teachers to

1. Understand the concept of population education.
2. Realize the importance and need of population education.
3. Comprehend the problems that arise out of uncontrolled population growth.
4. Understand the ideological base of quality of life and needs of family in the context of family life cycle.
5. Understand the concept of sexual health and develop insight into human sexuality and Sexual behaviour.
6. Examine population and other related policies and initiatives by government and NGOs.

## **BED-204-06 Education for Sustainable Development & Environmental Education**

Objectives: To enable the student teacher to:-

1. Understand concepts concerning various aspects of the Educational for sustainable Development.
2. Recognize dependence of human life on the environment.
3. Identify local and region specific environmental problems.
4. Understand the role of individuals, society, the government, ICT and media in Protection, preservation and conservation of environment.
5. Develop awareness about rules, regulations and legal provisions for protection, preservation and conservation of the environment.
6. Develop awareness, desirable skills and appreciation for the protection, preservation and conservation of the environment.



## **BED-204 07 Disaster Management**

Objectives: To enable the student teacher to

1. Understand the concept of Disaster and Disaster Management
2. Know act of Disaster Management
3. Comprehend what is Disaster Preparedness.
4. Get acquainted with manifesting the mitigation
5. Understand rescue from Disaster and Relief for Disaster
6. To get acquainted about the Disaster Risk Reduction concept.
7. To know Government Policies about Disaster Management

## **BED 204-08 Inclusive Education**

Objectives:

To enable the student teacher;

1. To understand historical aspects of Inclusive Education
2. To review various policies for Inclusive Education
3. To understand the concept, need and principles of Inclusive Education
4. To know the importance of development of competencies for successful Inclusive Education
5. To understand the idea of inclusive school
6. To know the importance of collaboration among various factors of society for inclusive Education.

## **BED 204-09 Introduction to Educational Research**

Objectives:

1. To understand the concept, need and importance of Research.
2. To make them aware of the various methods of types of research.
3. To help the learner to realize the research problem and try to find solutions through research.

4. Use the library, on line sources & other sources of knowledge for educational research.
5. To help the learner to prepare tools & techniques of educational research.

## **BED-205-03-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **English**

#### **Understanding Disciplines and School subjects**

Objectives: To enable student teacher to 1. acquaint with essential aspects of English grammar and composition.

2. Develop interest and attitude towards English as foreign language.
3. Understand the nature of English as a subject at Higher Secondary Level.
4. Comprehend various methods of English Teaching.
5. Understand various learning resources in English Subject.
6. Create awareness about the qualities and competencies of English Teacher.

## **BED-205-06-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **History**

#### **Objectives:-**

1. Interpreted the past for better understanding of the present.
2. Compare social, economic, cultural and political background of different civilizations of ancient and medieval world.
3. Study critically the impact of political, social, economical and cultural trends in various dynastic of ancient and medieval Bharat.
4. Develop the feeling of universal brotherhood and international harmony.
5. Develop critical and analytical thinking and problem solving activity.
6. Apply the knowledge acquired in Historical Research.
7. Explain and implementation use of core elements, values and life skills.
8. Understand different evaluation techniques and procedures.

9. Explain the importance of CCM.

## **BED-205-07-Additional Pedagogy Course Understanding disciplines and school Subjects and pedagogy of School Subject**

### **Geography**

#### **School Content**

Objectives:

1. To enable student teachers to revise the knowledge of all branches of Geography subject at a school level.
2. To enable the student teachers to understand the interdependence and interrelationship among the various concepts and processes in Geography Subject.
3. To enable student teachers to acquire the skills related to map and instruments in Geography.
4. To develop a technique of observation and reporting of Geographical phenomenon among student teacher.
5. To create interest of Geography subject among student teachers.
6. To understand the nature, scope and importance of the subject.
7. To state the objectives of the subject Geography.
8. To explain and use different approaches, methods and techniques of teaching learning of subject.
9. To explain and understand the structure of subject.
10. To explain importance and use of core elements, life skills and values.
11. To analyze the text book and content.
12. To analyze the various resources in teaching learning of subject.
13. To understand qualities of a good Geography teacher.

## **BED-205-08-Additional Pedagogy Course Understanding disciplines and school subjects and Pedagogy of School Subject**

### **General Science**

Objectives: To enable student teacher to

1. Familiarize facts, terms, concepts, laws & principles in general science.
2. Understand nature, scope & importance of general science at secondary & higher secondary level.
3. Analyse the textbook & content of general science at secondary & higher secondary level.
4. Implement methods & models of teaching learning of general science.
5. acquire the competencies of general science teacher

## **BED-205-09-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **Mathematics**

Objectives: To enable the student teacher to-

1. Understand the basic concepts in arithmetic and algebra
2. Understand the basic concepts in geometry and applied mathematics
3. Understand nature, scope, place & importance of mathematics at secondary level
4. Understand the objectives of mathematics subject and classroom objectives of mathematics subject
5. Understand the concept of curriculum, syllabus and methods of construction of curriculum
6. Analyze the textbook & content of mathematics at secondary level
7. Acquaint with methods and models of mathematics teaching
8. Realize the importance of mathematics laboratory
9. Understand different types of learning resources for mathematics
10. Acquire the competencies of mathematics teacher

## **BED-205-10-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **Economics**

Objectives-

To enable student teacher to Understand meaning, nature, scope, importance & basic concepts of economics.

2. Understand major challenges before Indian Economy
3. Understand the concept & scope of micro and macro economics.
4. Understand basic concepts of teaching of economics.

5. Understand and implement pedagogical approaches & learning resources of economics.
6. Understand qualities of good economics teacher

## **BED-205-11-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **Information and Communication Technology (ICT)**

Objectives: The student teachers should be able to

1. Acquire basic knowledge of Computers.
2. Make effective use of information and communication technology.
3. Understand the concepts in Multimedia.
4. Develop capabilities to access Information using Internet.
5. Acquaint with basic techniques and knowledge required for computing applications.
6. Be aware of cyber laws and ethics.
7. Understand nature, scope & importance of ICT at secondary & higher secondary level.
8. Analyze the textbook & content of ICT at secondary & higher secondary level.
9. Implement methods & models of teaching learning of ICT.
10. Acquire the competencies of ICT teacher

## **BED-205-15-Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **Physics**

Objectives: To enable student teacher to

1. Familiarize facts, terms, concepts, laws & principles in physics.
2. Understand nature, scope & importance of physics at secondary & higher secondary level, correlation with other discipline.
3. Analyse the textbook & content of physics at secondary higher secondary level.
4. Implement methods & models of teaching learning of physics.
5. acquire the competencies of physics teacher

## **BED-205-16-Additional Pedagogy Course Understanding disciplines and school Subjects And pedagogy of School Subject**

### **Chemistry**

Objectives: To enable student teacher to

1. Familiarize facts, terms, concepts, laws & principles in chemistry.
2. Understand the nature, scope & importance of chemistry at secondary & higher secondary level.
3. Analyze the textbook & content of chemistry at secondary & higher secondary level.
4. Implement methods & models of teaching learning of chemistry.
5. acquire the competencies of chemistry teacher

## **BED-205-17- Additional Pedagogy Course Understanding disciplines and school subjects and pedagogy of School Subject**

### **Biology**

Objectives: To enable student teacher to.....

1. Familiarize facts, terms, concepts, laws & principles in biology.
2. Understand nature, scope & importance of biology at secondary & higher secondary level. Co-relation with other disciplines.
3. Analyze the textbook & content of biology at secondary & higher secondary level.
4. Implement methods & models of teaching learning of biology.
5. acquire the competencies of biology teacher



  
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