

On the completion of the B.Sc. B.Ed. I year Programme, student teachers will be able to develop:

### **B.Sc.-B.Ed – 01 - General English**

#### **Outcome:**

An essentially language based course that aims at making students study English Prose with a view to enlarge their comprehension of the language and develop all the four skills. It also aims at giving them basic skills in grammar, widening their vocabulary and teaching them to write simple and correct English.

### **B.Sc.-B.Ed – 02 - Childhood and Growing up**

#### **Outcome:**

After completing the course the students will be able:-

- ❖ To develop an understanding of the basic concepts, methods and principles of psychology.
- ❖ To develop an understanding of the nature and process of development.
- ❖ To understand the different periods of life with Psycho-Social Perspective.
- ❖ To develop an understanding of the nature and process of learning in the context of various learning theories and factors.
- ❖ To understand the critical role of learning Environment.
- ❖ To acquaint them with various Psychological attribute of an individual.

### **B.Sc.-B.Ed.- 03 - Contemporary India and Education**

#### **Outcome:**

After completing the course the students will be able to :

- ❖ To promote reflective thinking among students about issues of education related to contemporary India.
- ❖ To develop an understanding of the trends, issues and challenges faced by contemporary education in India.
- ❖ To appreciate the developments in Indian education in the post-independence era.
- ❖ To understand the Commissions and committees on education constituted from time to time.
- ❖ To understand issues and challenges of education and concern for the underprivileged section of the society.
- ❖ To develop awareness about various innovation practices in education.
- ❖ To develop and understanding of self-teaching technical devices.
- ❖ To understand the constitutional values and provisions for education.

### **B.Sc.-B.Ed.-04 - Instructional System and Educational Evaluation**

#### **Outcome:**

This course will enable the student teacher to:

- ❖ Explain the need, importance and characteristics of educational evaluation.
- ❖ Describe the approaches to educational evaluation.

- ❖ Discuss the role of educational evaluation in Teaching - Learning Process.
- ❖ Explain the nature of tools and techniques of educational evaluation.
- ❖ Describe the need and importance of psychological testing,
- ❖ Explain the nature of learners' evaluation and need for continuous comprehensive educational evaluation in schools.

On the completion of the B.Sc. B.Ed. II year Programme, student teachers will be able to develop:

### **B.Sc.-B.Ed.- 09 - Knowledge and Curriculum**

#### **Outcome:**

After completing the course the students will be able:-

- ❖ To create excellence in the educational system for facing the knowledge of challenges of the twenty first century.
- ❖ To encourage the application of knowledge skills in the Indian educational institutions.
- ❖ To enhance the quality of pre-service and in-service teacher training.
- ❖ To realize the importance of curriculum modification.
- ❖ To provide awareness and understanding of social environment.
- ❖ To transform teacher- pupils in to a vibrant knowledge-based society.

### **B.Sc.-B.Ed.- 10 - Learning and Teaching**

#### **Outcome:**

After completing the course the students will be able:-

- ❖ To get acquainted with the concept, principles and nature of teaching and learning.
- ❖ To understand the different learning styles based on the difference of learners.
- ❖ To study the relationship between teaching and learning and the factors which influence learning
- ❖ To make use of modern information and communication technology to improve teaching-learning process.
- ❖ To understand learning as a process of communication and be aware of various resources available for making it effective.
- ❖ To study and analyse the socio cultural factors influencing cognition and learning.
- ❖ To study and understand learning in constructivist perspective.
- ❖ To get acquainted with professional ethics of teaching profession.
- ❖ To study the new trends and innovations involved in teaching learning process with professional ethics.

### **B.Sc.-B.Ed.-11 - Peace Education**

#### **Outcome:**

The course will enable the student teachers to –

- ❖ To understand the concept of peace education.

- ❖ To acquire the knowledge about peaceful mind makes peaceful world.
- ❖ To understand the theory and practice of peace education
- ❖ To understand the philosophical thoughts for peace.
- ❖ To promote awareness about the existence of Conflicting relationships between people, within and between nations and between nature and humanity.
- ❖ To create frameworks for achieving Peaceful and Nonviolent societies.

On the completion of the B.Sc. B.Ed. III year Programme, student teachers will be able to develop:

#### **B.Sc.-B.Ed.-17 - Language across the Curriculum**

##### **Outcome:**

The student teacher will be able:

- ❖ To understand children's language background for effective teaching and learning.
- ❖ To create sensitivity to the language diversity that exists in the classroom
- ❖ To be familiar with theoretical issues, and to develop competence in analysing current school practices and coming up with appropriate alternatives.
- ❖ To enhance the theoretical understanding of multilingualism in the classroom.
- ❖ To understand the nature of classroom discourse and develop strategies for using oral language in the classroom in a manner that promotes learning in the subject area.
- ❖ To understand the nature of reading comprehension in the content area and writing in specific content areas.
- ❖ To understand interplay of language and society.
- ❖ To understand function of language and how to use it as a tool.
- ❖ To understand language and speech disorder and make remedial measures too.

#### **B.Sc.-B.Ed.-18 - Guidance and Counselling in School**

##### **Objectives:**

The course will enable the student teachers to –

- ❖ Understand the concept, need and meaning of guidance.
- ❖ Get acquainted with the principles, issues, problems and procedure of guidance.
- ❖ Develop understanding about the role of school in guidance.
- ❖ Understand the various areas, tools and techniques in guidance.
- ❖ Understand the concept, need and meaning of counselling.
- ❖ Get acquainted with the principles and process of counselling.
- ❖ Understand the tools and techniques in counselling.

#### **B.Sc.B.Ed.22 (a &b) - Pedagogy of General Science**

##### **Outcome:**

The course will enable the student teachers to –

- ❖ Understand General Science as an interdisciplinary area of learning.
- ❖ Understands aims and objectives of teaching General Science at different levels.
- ❖ Explore different ways of creating learning situations for different concepts of science:
- ❖ Formulate meaningful inquiry episodes, problem-solving situations, investigatory and discovery learning projects based on upper primary, secondary and higher secondary stages.
- ❖ Facilitate development of scientific attitudes in learners.

- ❖ Examine different pedagogical issues in learning science. 6. Stimulate curiosity, inventiveness and creativity in science.
- ❖ Develop ability to use science concepts for life skills.
- ❖ Develop competencies for teaching, learning of science through different measures.
- ❖ Construct appropriate assessment tools for evaluating learning of science.
- ❖ Understands the CCE pattern of Evaluation.

### **B.Sc.B.Ed.22 (a &b) - Pedagogy of Biology**

#### **Objectives:**

The course will enable the student teachers to –

- ❖ Develop insight on the meaning and nature of Biology for determining aims and strategies of teaching- learning.
- ❖ Appreciate that science is a dynamic and expanding body of knowledge.
- ❖ Appreciate the fact that every child possesses curiosity about his/her natural surroundings.
- ❖ Identify and relate everyday experiences with learning of Biology.
- ❖ Appreciate various approaches of teaching- learning of Biology.
- ❖ Explore the process, skill in science and role of laboratory in teaching- learning.
- ❖ Use effectively different activities / experiments/ demonstrations / laboratory experiences for teaching-learning of Biology.
- ❖ Integrate the Biology knowledge with other school subjects.
- ❖ Analyse the contents of Biology with respect to Content, process, skills, knowledge organization and other critical issues.
- ❖ Perform Pedagogical analysis of various topics in Biology.
- ❖ Develop process-oriented objectives based on the content themes/Units.
- ❖ To understand meaning, concept and various types of assessment.

### **B.Sc.B.Ed.22 (a &b) - Pedagogy of Chemistry**

#### **Outcome:**

The course will enable the student teachers to –

- ❖ Gain insight on the meaning and nature of chemistry for determining aims and strategies of teaching-learning.
- ❖ Appreciate that chemistry is a dynamic and expanding body of knowledge.
- ❖ Appreciate the fact that every child possesses curiosity about his/her natural surroundings.
- ❖ Identify and relate everyday experiences with learning chemistry.
- ❖ Trace historical background of Chemistry.
- ❖ Appreciate various approaches of teaching-learning of chemistry.
- ❖ Analyse the contents of Chemistry with respect to Content, process, skills, knowledge organization and other critical issues.
- ❖ Perform Pedagogical analysis of various topics in Chemistry.
- ❖ Use effectively different activities/ demonstration/laboratory experiences for teaching-learning of chemistry.
- ❖ Integrate chemistry knowledge with other school subjects.
- ❖ To understand meaning, concept and various types of assessment.

### **B.Sc.B.Ed.22 (a &b) - Pedagogy of Mathematics**

#### **Outcome:**

The course will enable the student teachers to –

- ❖ Gain insight into the meaning, nature, scope and objectives of mathematics
- ❖ Appreciate mathematics as a tool to engage the mind of every student.
- ❖ Understand the process of developing the concepts related to Mathematics.
- ❖ Appreciate the role of mathematics in day to day life.

- ❖ Learn important mathematics: mathematics more than formulas and mechanical procedures.
- ❖ Pose and solve meaningful problems.
- ❖ Construct appropriate assessment tools for evaluation mathematics learning.
- ❖ Understand methods and techniques of teaching mathematics.
- ❖ Perform pedagogical analysis of various Topics in mathematics at secondary level.
- ❖ Understand and use I.C.T. in teaching of mathematics.
- ❖ Understand and use continuous and comprehensive evaluation, diagnostic testing and remedial teaching in Mathematics.

On the completion of the B.Sc.B.Ed. IV year Programme, student teachers will be able to develop:

### **B.Sc. B.Ed. 25 - Creating and inclusive school**

#### **Outcome:**

The Course will enable the student teachers to-

- ❖ To demonstrate knowledge of different perspectives in the area of education of children with disabilities.
- ❖ To reformulate attitudes towards children with special needs.
- ❖ TO use specific strategies involving skills in teaching special need children in inclusive classrooms.
- ❖ To modify appropriate learner – friendly evaluation procedures.
- ❖ To incorporate innovative practices to respond to education of children with special needs.
- ❖ To contribute to the formulation of policy.
- ❖ To implement laws pertaining to education of children with special needs.

### **B.Sc.-B.Ed. 26 - Understanding Disciplines and Subjects**

#### **Outcome:**

After Completing the Course the students will be able:--

- ❖ To develop an understanding of the nature of disciplinary knowledge in the school curriculum.
- ❖ To acquire a conceptual understanding of the impact of school subjects on disciplines.
- ❖ To develop interest, attitudes and knowledge about the content in respect of framing the syllabus.
- ❖ To build up a professional, disciplinary and curriculum programme.

### **B.Sc.-B.Ed. 27 - Physical Education and Yoga**

#### **Objectives -**

The Course will enable the student teachers to-

- ❖ To enable them to understand the need & importance of Physical Education.
- ❖ To acquaint them to allied areas in Physical Education.
- ❖ To sensitize the student teacher towards physical fitness & its importance.
- ❖ To make them aware of the benefits of physical fitness & activities for its development.
- ❖ To help them acquire the skills for assessment of physical fitness.
- ❖ To introduce them to the philosophical bases of yoga.
- ❖ To introduce them to types of Yoga & its importance.

- ❖ To motivate them to resort to physical activity for the fitness development.
- ❖ To help them understand the procedure of health related fitness evaluation.

### **B.Sc.-B.Ed. 28 - Gender, School and Society**

#### **Outcome:**

After completing the course the students will be able :-

- ❖ To develop basic understanding familiarity with key concepts-gender bias, gender stereotype, empowerment, gender parity, equity and equality, patriarchy and feminism and transgender,
- ❖ To understand some important landmarks in connection with growth of women's education in historical and contemporary periods.
- ❖ To learn about gender issues in school, curriculum, textual materials across disciplines, pedagogical processes and its intersection with class, caste, religion and region;
- ❖ To understand the need to address gender based violence in all socialspaces and evolves strategies for addressing.

### **B.Sc. B.Ed. 29 - Assessment for Learning**

#### **Outcome:**

The Course will enable the student teachers to-

- ❖ Understand the process of evaluation
- ❖ Develop the skill in preparing, administering and interpreting the achievement test.
- ❖ Understand and use different techniques and tools of evaluation for learning.
- ❖ Comprehend the process of assessment for learning.
- ❖ Develop skill necessary to compute basic statistical measures to assess the learning Develop.

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