DEPARTMENT OF EDUCATION

CURRICULUM

B.Sc. B.Ed

1. ELIGIBILITY

(i) A candidate shall be eligible for admission to the course leading to the Degree of Bachelor of Science and Education, B.Sc.B.Ed., provided:

The Candidate must have passed 10+2 pattern (passed X and XII standard Examinations) under State Government Secondary Board or Matriculation Board or Anglo Indian Board of Tamil Nadu or CBSE Board Examination or any other equivalent examination recognized by Indian Universities by UGC as eligibility for Under Graduate degree programme.

(ii) The candidate must have passed the above mentioned examinations with any one of the following combination of subjects:
   a. Mathematics, Physics, Chemistry, Biology
   b. Mathematics, Physics, Chemistry, Computer Science

(iii) The candidates must have obtained 50% in the aggregate. However relaxation in marks for SC/ST/BC/OBC shall be as per the rules of the Central Government / State Government whichever is applicable.

2. SELECTION PROCEDURE

The selection of the candidates will be based on the following

Qualifying Examination   : 50%

Entrance Test   : 50%

The reservation shall be as per the regulation of the University/Guideline of the Government of India in force from time to time.

3. **SCHEME OF INSTRUCTION**

The Curriculum for B.Sc.B.Ed. is derived from National Curricular Framework for Teacher Educator 2009 comprising three broad curricular areas:

Area A: Foundation of Education:

    (i) Learner Studies

    (ii) Contemporary Studies

    (iii)Educational Studies

Area B: Curricular and Pedagogy

    (i) Curricular Studies

    (ii) Pedagogic Studies

Area C: School Internship

4.1 The courses identified according to the NCFTE – 2009 are organized under the following four categories.

    a)   **C**ommon **C**ourses

    b)   **C**ore **C**ourses

    c)   **E**lectives

    d)   Practicum and School Internship

4.2 Common Courses:

Comprises of courses that are mandatory for all students,

    a) Regional language: Tamil. If necessary other languages can be added.

    b) English

    c). i). Holistic Education

        ii). Environmental Education

        iii). Theatre art and Heritage, Craft Tradition

        iv). Social Engineering

        v). Soft Skills & Peace Education

vi). Indian Constitution and Human Rights.

vii). ICT / e-Learning

4.3 Core Courses: Core Courses will be three major system offered in two streams

    i.   PCM: Physics, Chemistry, and Mathematics

    ii.   CsMP: Computer Science, Mathematics, Physics

For PCM Students

(i)   Courses in Physics, Chemistry and Mathematics.

(ii)   Seven Courses in Education.

(iii)   Two Courses one in Pedagogy of Mathematics and another in Pedagogy of Physical Science.

For Cs MP Students

(i)   Courses in Computer Science, Mathematics and Physics.

(ii)   Seven Courses in Education

(iii)   Two Courses one in Pedagogy of Computer Science and another in Pedagogy of Mathematics.

4.4 ELECTIVES

Comprises of three courses in Education and Two courses in each Science Subjects. The students have to choose one in Education and another in Science Subjects.

4.5 PRACTICUM AND SCHOOL INTERNSHIP

School experience and Internship in teaching is an integral component of a teacher preparation programme to help student teachers learning and enhance their professional role. During this programme, the duration of internship will be 20 weeks involving 6 weeks in the 2nd year and 3rd Year each and 8 weeks in the fourth year.

5. MEDIUM OF INSTRUCTION

The Medium of Instruction and Examination shall be in English.

6.EXAMINATION

THEORY EXAMINATION

The Semester System will be followed and there will be Eight Semesters in the B.Sc. B.Ed., Programme.

Assessment Template for Theory Papers
A. UG (FT/PT)
    I. Theory LTP 3:0:0 and 3:1:0

S.No	Task	Notes	%
1	CA1 Class Test (50marks) 10MCQ=10, 5SA=10, 2LA=30	Assessment during 32-40 days	15%
2	CA2 Class Test (50marks) 10MCQ=10, 5SA=10, 2LA=30	Assessment during 72-80 days	15%
3	CA3 Seminar, Assignment (20 Marks)	Assessment during 01-110 days	20%
4	END Semester (100 Marks) 10MCQ = 10, 5SA = 10, 4LA = 60, 1EQ = 20	After 110 days	50%
	Total		100%

Choice left to the course teacher

For S.No 3 Rubrics should be given to the students on the first day along with course plan.
S.No 1 to 4 should be mapped to

Method	: D = Direct, I = Indirect
Domain	: C = Cognitive A = Affective P = Psychomotor
Usage type	: F = Formative S = Summative
Bloom's Level	: Remember (Rem), Understand (Under), Apply (Ap), Analyze (An), Evaluate (Ev), Create (Cr)

Practical Examination
  Assessment Template for Lab Papers

0:0:1 and 0:0:2
    II. Laboratory L:T:P

S. No.	Task	Notes

1	CIA -1 (Based on observation Note and rubrics designed by lab teacher)	Assessment in every 15 days
2	CIA-2 (Lab Mid Exam)	After 45 – 50 Days
3	CIA -3 or EA-1- Product/Simulation /Design/Programme /Process	After 45 Days (Formative)
4	EA-2 End semester exam (External Assessment)	After 90 days (Summative)

(i) GPA: Grade Point Average

The Grade Point Corresponding to the Grade obtained by the Candidate in each course in a semester is multiplied by the credit prescribed for the respective courses and the sum of all these products is divided by the total number of credits prescribed for each semester i.e.

$$GPA = \frac{\sum_i C_{ni} G_{ni}}{\sum_i C_{ni}}$$

(ii) CGPA: Cumulative Grade Point Average

$$CGPA = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_i C_{ni}}$$

Where 'n' stands for the semester number, 'I' the course number. 'C' the credits earned in the nth Semester i^{th} course (Subject) and Gni is the corresponding grade point obtained by the candidate.

CGPA considering all the courses enrolled from first semester. 'U' and 'W' grades will exclude for calculating GPA and CGPA.

Finalization of grades for the examinations and re-examinations also will be made by the Quality Assurance Committee.

7.Attendance Requirement

   End Semester Examinations

1	Overall 80% and above	Eligibility to write all examinations.
2	Overall 70% and above but below Overall 80%	Shortage of attendance is to be condoned on medical grounds with proper documents. Condonation fee of Rs. 300/- per course is to be paid by the students. *Medical reasons – Granting of permission on production of all the necessary medical documents (like hospitalization, medical problem, treatment, Medical bills etc) and medical certificate from a registered medical practitioner not below the rank of a Civil assistant surgeon.*
3	Below Overall 70%	Not eligible to write all the regular courses of that semester and will fall under redo category. The students have to redo the semester during the subsequent year.

There may be a student whose overall attendance is equal to or above 80%/70% (70% in case of medical grounds) and for that student, there may be some course's attendance below 80/70%% (70% in case of medical grounds). In that case, the student can be allowed to write the examinations in the regular stream for the courses in which the student attained the required attendance 80%/ 70%% (70% in case of medical grounds).

Moreover, for the courses in which the attendance is less than 80%/70%% (70% in case of medical grounds), the student is permitted to write the courses as supplementary in the subsequent semesters after the payment of condonation fee and compensating the lack of attendance.

80% attendance is required in a course for a student to take up Class Test 1 and Class Test 2 or Mid Sem Exam (Lab Component). If she/he fails to attain, she/he will have to take up extra classes (Remedial) and complete the exercise within that semester itself. This is applicable to UG programs only (See PG program templates according to the assessment template given already in Academic Council.)

Special Exams: Participation on behalf of University in curriculum / Sports Event or related work or any other activity as recommended by the HOD/Authorities. This is applicable for all exams.

The following letter grade will appear in the mark sheet for every course for the attendance gained in that course.

Performance	Letter Grade	% of Attendance
Outstanding	O	>=95%
Medium	M	>=85% and <95%
Satisfactory	S	>=80% and <85%

Re-Examination:

There is no re-examination for Mid Semester Examination. Failure candidates in End Semester Examination will be treated as reappearance candidates. They shall reappear in the subsequent Semester.

II PRACTICAL EXAMINATION

The mode of evaluation of each practical will be as indicated below

Components	Marks Weightage
Summative	75%
Formative	25%

8.INTERNSHIP TRAINING IN TEACHING

Internship Training in teaching will be conducted for 20 weeks.

3 weeks in Semester III
3 weeks in Semester IV
3 weeks in Semester V
3 weeks in Semester VI
8 weeks in Semester VII

Pre Internship Training will be given to the students in III, IV, V and VI semesters three weeks each in the adopted schools in Periyar PURA villages of the University. This will provide the students opportunity to learn the school environment and also to observe the learners and teachers.

In VII semester the students will undergo 8 weeks of internship training continuously. The students will be engaged in preparing the following records:

1. Lesson plan (2)
2. Observation (2)
3. Micro Teaching (2)
4. Case study
5. Action research
6. Test and measurement (2)
7. Preparation of AV Aids (2)
8. Psychology Practical
9. Text Book Review
10. Physical Education
11. Field Visit
12. Citizenship Training
13. School Diary.

9.Awarding Grades

1. **Grade Versus Marks distribution**

Grade Letter	Grade Point	Performance	Actual Marks
O	10	Outstanding	$A \geq 91$
A+	9	Excellent	$81 \leq A < 91$
A	8	Very Good	$71 \leq A < 81$
B+	7	Good	**$61 \leq A < 71$**
B	6	Above Average	**$55 \leq A < 61$**
C+	5	Average	$50 \leq A < 55$
C	4	Pass	$40 \leq A < 50$
U	0	Reappear/Absent	$A < 40$
W	0	Withdrawal	

CGPA to % conversion is multiplication of CGPA with 10.

10. Eligibility for the degree and classification of Degree

CGPA	7.50 and above and passed in first attempt Maximum number of courses which can be withdrawn is three and withdrawal considered for only one semester of the programme.	First Class with Distinction
CGPA	6 (in any attempt) and above in $n + 1$ consecutive years where n is the number of years for a programme	First Class
CGPA	Less than 6 and greater than or equal to 5.5	Second Class

CGPA	Less than 5.5	Third Class

In addition to the above conditions, participation in any one of the NSS/NCC/NSO/YRC is mandatory for award of a degree.

11. Minimum Requirements of marks for passing a course

Type of Assessment	Passing Marks
Formative	35%
Summative	35%
Total= Formative + Summative	40%