CHAPTER TWELVE

PROPOSED PROGRAMME FOR TEACHER EDUCATION

The success of the programme of introducing Population Education would largely depend on a thorough preparation of the teachers. They need to be oriented with the new curriculum and exposed to the techniques and skills of using the instructional materials in the class room, so that they are able to provide suitable learning experiences to the pupils.

Objectives

The overall objectives of population education to teacher education programme will be as follows.

1. To help the student teachers to understand the population phenomenon which result in several social, economic, psychological and political problems,

2. To develop in them desirable attitude towards population issues and problems so that they are in a position to take rational decisions themselves and also guide others to take similar decisions,

3. To help the student-teachers to acquire necessary skills to integrate population education concepts in different school subjects which they are teaching,

4. To help them to acquaint with techniques and methods of handling population education content at the school stage,

5. To develop skills in organising the population education programme through different co-curricular activities,
6. To help them to evaluate the students achievement in population education,
7. To help them to develop skills for the preparation of low cost teaching aids instructional materials and evaluation tools.

Pre-Service Programmes

In the State of Orissa, Pre-service Teacher Education Programme is available in two levels. (1) Primary Teacher Education Programme, (2) Secondary Teacher Education Programme. Primary Teacher Education Programme is being provided in the Secondary Training School whereas Secondary Teacher Education Programme is provided in Teacher Training Colleges.

Objectives - The objectives of population education for pre-service teacher should be as follows.
1. To develop an understanding of the impact of population growth on the various aspects of human life – physical, mental, social, cultural, moral and ethical, economic and political,
2. To develop an understanding of the relationship between population growth and economic development,
3. To develop an understanding to know the impact of population growth on natural resources and environment,
4. To develop an understanding of the human reproductive process as a basis for understanding human fertility,
5. To develop an understanding of the psycho-social aspect of human sexuality,
6. To develop an understanding of the impact of population growth on different welfare programmes of the country,
7. To develop an understanding of the population policies and programmes of India and some other countries,
8. To develop an understanding of the ways and means of population control,
9. To develop an understanding of the concept, scope and importance of population education,
10. To develop an appreciation of population education as a means of rapid social change and national reconstruction,
11. To help the student teachers to acquire skills in collecting and interpreting demographic data,
12. To help them to acquire skills in integrating ideas on population issues in various curricular subjects and co-curricular activities,
13. To develop the skill in imparting knowledge about human reproduction, population growth through various visual aids,
14. To develop positive attitude towards various responsible and planned parenthood for limiting the size of the family and raise its standard of living to develop and improve the quality of living,
15. To develop positive attitude for eradicating superstitious believes which stand as barriers to population control.

Weightage in the Curriculum – In teacher education curriculum, 5 to 10 per cent of weightage to the population education may be given. Units on population education are to be incorporated in the paper on 'Trends on Education and Health and Physical Education'. The entire curriculum needs to be renewed in the light of the introduction of population education.
Content - In Teacher Education Programme, topics related to population issues may be included such as Population education concept, aims and objectives, Population situation of India in world perspectives, Population dynamics, Population growth and economic development, Population growth and educational development, Population growth and urbanisation, Population growth and natural resources, Population growth and family life, Population growth and health and nutrition, Population policies and Family welfare programme in India, Teacher's role on Population Education Programme.

Co-curricular Activities - In Teacher Training Institutes, different co-curricular activities like debate, essay competition, poster, art and chart competitions, Quiz Programme, Symposia and Seminar, Drama, One Act Play and other cultural programmes, Survey, Field trips and field visits etc. may be organised for student teachers.

Specialization in Population Education - For preparing leaders in population education, it is desirable to train some student teachers interested in this area. The course for Secondary Teacher Education Programme i.e. at B.Ed. and M.Ed. level, one special paper on population education may be introduced. In some cases population education can be tagged either with Adult Education, Health Education or Environment Education. The student teachers of M.Ed. course should be encouraged to take up research projects on population education for their dissertations.

Practice Teaching - The teaching of population education is to be incorporated with the methods of teaching of various
8. Understanding special project, studies etc. on population education,
9. Participation in different extension programmes on population themes.

**Extension Lectures and Exhibition** – In the Teacher Training Institute, extension talks and exhibitions may be arranged. Experts, Family Planning Workers, Eminent Educationists and Doctors etc. may be invited as resource person to deliver extension lectures to the student teachers, on the themes relating to population issues such as

- Socio-cultural tradition and the problem of fertility control,
- Role of women in developmental programme, their status and its implication on family planning,
- Population growth and educational development, social development, economic development etc.,
- Sex education and its social implication,
- Population growth and nutritional problems,
- Population growth and Resources,
- Urbanisation, Migration and its concomitant problems,
- Population growth and environment,
- Population Policies and Programmes in India and Abroad,
- Family Planning Programmes, methods and techniques.

**Library Services** – Since the topics to be covered on population education are vast, it is not possible to discuss all these in day to day teaching programme. There is a need to develop a good library with adequate number of collection of...
titles and journals on population education so that the student-teacher can acquire knowledge by self-study.

Evaluation - In teacher education programme, emphasis should be given to evaluate the knowledge of both the student and teacher and their ability to organise population education programme. While framing questions for the term paper, due attention should be given to cover population education. In practice teaching, importance also should be attached to examine the extent to which the student teachers cover the components of population education where it is found in the topic.

In-Service Programmes

Since population education is of recent origin and most of the teachers are not well acquainted with the programmes on population education, there is a need to organise different activities to orient the teachers with the programme.

Objectives - The following are the objectives of in-service teacher education programme in population education.

1. To help the teachers to understand the meaning, scope and objectives of population education,

2. To help the teachers to acquire necessary competencies to identify plug points to incorporate ideas relating to population issues in the curriculum,

3. To help the teachers to acquire the skills to organise different programmes on population education,

4. To help the teachers to understand population situation, population dynamics, population growth and its relationship with economic, educational and social development, environment
and natural resources, its impact on family life, health and nutrition,

5. To help the teachers to understand population growth and population policies and programmes,

6. To help them to understand their roles in population education,

7. To help them to acquire skills to develop teaching aids to impart population education.

Methodology - The following methods may be adopted for orienting the teachers with population education.

1. Production of learning materials - Different materials such as Hand books, Guide books, Resource books, Curriculum Guides, Self-learning materials on population education may be produced and made available to the teachers for their self-study.

2. Production of popular literature - Popular literature in the area may be prepared for the education of teachers. Popular articles on population education may be published by the experts and the teacher educators in journals and news papers for the benefit of the teachers.

3. Use of Mass media - The mass media may be extensively used for educating the teachers and parents. Radio and Television programmes may be produced on themes relating to population issues.

4. Instructional Letters and News Letter - To disseminate the knowledge on population education and experience of teachers, news letter may be produced at the State level and made available to the teachers. Instructional letters may also be sent from the Directorate of Education, SCERT, Board of Secondary Education.
It provides clarifications to the teachers.

5. Orientation Course - Orientation courses on population education may be organised for the teachers. The duration of course may be of one to two weeks and if necessary, may be organised in two phases at an interval of 24 to 30 months. Such courses may be organised by the SCERT/Board of Secondary Education, Orissa through a two-tyre process. Initially, Master Trainers may be selected from among the experience teachers, supervisors and may be trained at the State level. In the next phase, Master Trainers may organise programmes for the teachers of the secondary schools and primary schools. In case of need, a three phased programme may also be organised to orient the primary school teachers.

6. Conferences and Seminars - Conferences and seminars may be organised on population education frequently to orient the teachers and provide them scope to participate in the discussions. Such programmes may be organised at the national, state and school level. In case of primary schools, centre meeting which is generally conducted for a group of schools in every month, may be devoted to discuss the themes on population education. In the meeting, the instructional materials, teaching strategies, identification of plug points and evaluation procedure may be discussed. Experts on population education may also be invited to participate as resource persons in these meetings.

7. Refresher Course - Refresher courses for selected teachers from every school should be organised at suitable intervals. Teachers who attain the refresher courses should be instructed to orient other teachers of the respective schools in due course.
8. Workshops - Since workshops and working group meetings provide excellent opportunity for the teachers to gain knowledge and acquire skills, regular programmes may be organised for the teachers. The participating teachers may also be encouraged to orient their co-workers.

9. Correspondence Course - To encourage the teachers, to gain advanced knowledge in population education, suitably designed correspondence courses on population education may be mounted at the University and Teacher Training Institute levels.

10. Special Courses - To help in developing a cadre of expert teachers specialised in population education, special courses of three to six months duration may be mounted at the SCERT/Teacher Training Institutes. Interested teachers may be encouraged to attend the courses and Government may provide scholarships/travel and maintenance expenses to the teacher participants.

11. Summer Institutes - The Universities, Teacher Training Institutes etc. may mount suitable courses of one month duration for the interested teachers during the summer vacation.

Health and Family Planning Departments and other developmental agencies may be equipped to organise different programmes for the education of teachers. The experts, faculty members of these institutes and experts from other developmental agencies may be involved in organising different activities.

**Action Research** - The teachers may be encouraged to participate in action research projects on Population Education. National level, State level and District level competitions may be organised. Awards and certificates may be given to winning teachers in ceremonial occasions by high level dignitaries.

**Linkage with Career Development** - In view of the recent importance given to population education, it is necessary to encourage the teachers to participate in different staff development activities and to link the same to career development. While awarding awards to the teachers granting advanced increments and considering promotion to higher grades, the participation of teachers in population education activities may be considered.