

AFTER SSC WHAT?

(REGULAR COURSES)

COURSES AT OTHER SPECIALISED INSTITUTES

There are some specialized Institutes of National or State level which offers job-oriented Courses for the SSC passed candidates. They are discussed below, one after the other, subject-wise, in alphabetical order, duly introducing the subject first:-

I. AGRICULTURAL AND ANIMAL SCIENCES:

Andhra Pradesh Government offers the following post SSC Diploma Courses in Agriculture in the entire State at specific places as follows:

- i. Agriculture Polytechnic, Reddipalle 2-Year Dip Course in Agr :
SSC 1-year Dip Course in Home Science SSC
- ii. Agriculture Polytechnic, Podalekur@ year Diploma Course in Agr:
SSC
- iii. Agriculture Polytechnic, Palem, 2 year Dip Course in Agr :
SSC
- iv. Agriculture Polytechnic, Jagtial, Rural Agr Research Station,
Jagtial-505321, Karimnagar District 2 year Dip in Agr :
SSC

- v. Agriculture Polytechnic, Maruturu, Agricultural Research Station, West Godavari Dist. 534122 2 year Dip in Agr: SSC
- vi. Agriculture Polytechnic, Utkuru, Kadapa @-year Dip in Agr: SSC
- vii. Agricultural Polytechnic, Kammasagar 508207, 2-year Dip in Agr: SSC
- viii. Agriculture Polytechnic, Marutinagar, MADAKASIRA, 515301, Ananthapur District, 2 year Dip in Agr : SSC

HOME SCIENCE:

Education in Home Sciences offered at four levels: Diploma, First Degree, Post-graduate and pre-Doctoral and Doctoral levels. Education in Home Science once received a great deal of flak from Feminists as “being a Gender-biased Course. The Feminists averred that the Course which is open only to women, implicitly suggests that the place of women is in home and their bounden duty is home-making. Be that as it may, Home Science is an academic discipline extremely popular among girl students. The course is not necessarily aimed at making women better house-wives but making them useful to the society to enable them to take up responsibilities fairly well and to provide expert advice to others to enrich social and family life.

At present there is no Diploma Course in regular stream for the Matriculates. However some organizations like SETWIN offer Dip Course in Home Science to the SSC passed.

HORTICULTURE SCIENCES:

Yeshwanth Rao Chauhan, Maharashtra Open University, Nasik, has one B.Sc (Horticulture) Course through Distance learning mode. The Course is open to candidates who have passed the 10th class Examination and it consists of three Diplomas in Fruit Production, Vegetable Production and Floriculture and Landscape Gardening. The degree is awarded to candidates who successfully complete all three diploma Courses.

II. ALLIED HEALTH SCIENCES:

REHABILITATION MEDICINE AND THERAPY

The primary aim of rehabilitation is to restore the patients to as near a normal physical condition as possible after the disease or injury. It also aims at improving the emotional and psychological state of the patients to enable them to make full use of their capabilities and adjust to the limiting effects of disabilities. It further aims at improving their social adjustment capability so that they may resume their place within their families and communities. All over the world, Rehabilitation medicine and Therapy has been organized as an integral part of medical and healthcare system that deals with the management of all types of disabilities.

To begin with, education in medical technology was provided laboratory work (Medical Lab technology), involving the analysis of blood urine, etc. Most of the Training Programs were of short duration offered primarily by, private agencies which, however served the purpose of the day. The introduction of new analytical instruments and techniques require comparatively higher level of manpower with proper education

and training. As a result medical colleges and other institutions introduced Diploma (DMLT) and degree courses in medical lab technology. The Diploma courses of two-year duration are open to candidates who have passed Class 10th Examination.

There is a great demand for qualified medical technologists in specialty hospitals (both Governmental and corporate) and large number of Diagnostic Centers in big and small cities.

Every job has requisite types and levels of different traits needed for predicting success in the field of performance. Similarly, following are the traits required at requisite level for performance rendered in Medical Lab Technology:

Speed and Accuracy

Analytical and Synthesis ability

Neuro-muscular coordination.

III. ARCHITECTURAE AND PLANNING:

With the proliferation of urban settlements and conglomerations, the field of architecture has become an important and much sought after profession. The profession basically an admixture of artistic creativity and engineering skills. Architects are responsible for the planning, designing and supervision of construction of all types of buildings, residential houses and complex, educational and commercial complexes,

hospitals, hotels , , houses of worship and many more. The design of buildings involves far more than aesthetics and appearance. Buildings must also be functional safe, economical and must suit the requirements of the people who use them.

Architecture also relies on technology and materials science to ensure that the structures withstand heavy loads and stresses. Architects take all these aspects into consideration while designing buildings. The job of Architects begins with consultation with their clients to ascertain their wishes and needs. He then prepares a set of plans within the limits of those wishes, which upon the approval of the client, is developed into final design and working drawings.

The final design shows the exact dimensions of every portion of the proposed building including the location of electrical facilities, windows, doors, and all other features of the building. He also makes drawings and models that show how the building will look after it is completed.

At the planning stage , he is required to take into consideration, , inter alia, local and State regulations, (for example, National Building Code) concerning construction of buildings, climate, soil in which the building is to be constructed, Fire regulations, and financial limitations of the client., At the construction stage , he works ,closely with Civil and Structural Engineers. They also work with many different Contractors, who actually build the structure. He generally receives a percentage of the Construction budget as his fees.

The Regulatory Authority :

The Regulatory Authority of Courses in Architecture is the Council of Architecture established in accordance with the Architects' Act, 1972. The Council is empowered to prescribe the in Architecture minimum

standards of Education for granting recognition to the Colleges and institutions.

Qualified Architects are required to register with the Council of Architecture for undertaking practice. Working without this registration is illegal.

Computers have now revolutionized the offices of Architects with the advent of Computer –aided designing Softwares such as 3D Studio Max and Auto-CAD , the entire concept of Designing and Modelling .Although the subject has not been incorporated formally in the syllabuses of many Universities, the present generation of architects must learn the art and science of CAD.

Lastly, after stating the details of the field, when we come to the subject of occupations for the Matriculates and how to prepare for them , it may be clarified here that the Matriculates can try their hands at the Courses and occupations of :

- i) CAD Operator,
- ii) Architectural Assistant.

While the C A D (Computer Aided Designing) Course for the Matriculates is available at the Indo-British Academy, Lakdikapul, red Hills side , Hyderabad, the Course in Architectural Assistantship is available at Polytechnics, through passing of PolyCET Entrance Test conducted in June, every year.

IV. ART AND DESIGN:

Art is the expression of human creative skill and imagination, especially in a visual form like Painting or Sculpture. Art must contain beauty and emotional power to be appreciated.

Art and Design are closely related because the concept of Designing has evolved from Art. Designing is the practical or productive application of artistic instinct and aesthetic experience of art.

The topics covered by the area of Art and design may be broadly grouped into six categories:

Fine Art

Applied Art

Fashion Design,

Industrial design

Interior Design

Communication Design / Visual Communication

Photography

Craft Design

Fine Art has meant Art Forms developed primarily for aesthetics; while applied Arts are developed for some practical purpose.

Historically, the five main fine arts were painting, sculpture, architecture, music and poetry, with minor arts including drama and dance.¹ Today, the fine arts commonly include additional forms, including film, photography, conceptual art, and print-making.

The **applied arts** are the application of design and decoration to everyday objects to make them aesthetically pleasing. The fields of industrial design, graphic design, fashion design, interior design and the decorative arts are considered applied arts. In a creative and/or abstract context, the fields of architecture and photography are also considered applied arts.

SETWIN in Hyderabad offers a 45 days Short term Course in Fabric Painting and Soft Toys for people with necessary aptitude and interest. They also have Course in Banjara and Mirror work. On the modern Information Technology side, they have a Course in Photoshop Software operation.

Printing Technology may also attract some Matriculates but they must know the difference between modern digital printing methods and the traditional offset printing technology.

Offset lithography ...

is the most common high volume commercial printing technology. In offset printing, the desired print image is burned onto a plate and is then transferred (or offset) from the plate to a rubber blanket, and then to the printing surface. The lithographic process is based on the repulsion of oil and water. The image to be printed gets ink from ink rollers, while the non printing area attracts a film of water, keeping the non printing areas ink-free.

Digital printing... eliminates many of the mechanical steps required for conventional printing, including making films and color proofs, manually stripping the pieces together and making plates.

Unlike offset printing and other commercial methods that utilize printing plates and presses, digital printing prints directly from the digital file sent to an inkjet, laser, or other type of digital printer.

Desktop publishing (abbreviated **DTP**) is the creation of documents using page layout skills on a personal computer.

Desktop publishing software can generate layouts and produce typographic quality text and images comparable to traditional typography and printing.

This technology allows individuals, businesses, and other organizations to self-publish a wide range of printed matter.

Desktop publishing is also the main reference for digital typography. When used skillfully, desktop publishing allows the user to produce a wide variety of materials, from menus to magazines and books, without the expense of commercial printing.

A large number of Private Computer Training Institutes offer Short – term Training Courses in DTP operation on payment of reasonable fees and on showing necessary sense of dedication to learn.

Short –term Courses in Photography are conducted in Hyderabad with prior advertisement in Newspapers either by Private organizations or by the Dept of Journalism and Communication, of Osmania University, Hyderabad.

Courses in rts are also offered by a number of Polytechnics. However they are mostly available in Women’s Polytechnic.

A one-year Certificate Programme in Fashion design and Merchandising through correspondence is open to candidates who have passed the Class 10 Examination. At present the Study Centres are located at all the seven NIFT Centres.

V.MECHANICAL ENGINEERING:

The Institution of Mechanical engineers was established in 1914 for the advancement of knowledge in Mechanical Engineering. It is the oldest professional institution in the country. Since 1976, it has been conducting two Examinations:

1. Diploma level Exam known as Technician Engineering (TEng)
2. Degree level Examination known as Associate Membership Exam (also known as Chartered Engineers Examination. About 24,000 students appear for this exam every year.

The prerequisite for appearing for diploma examination is enrolment as a member of the Institution. The eligibility requirements are :i)age not less than 16years,ii) a Pass in Class X, Examination with English, physics, Chemistry and Mathematics and iii) six months' experience in engineering related work.

The examination is in two Parts: Part I and Part II.

Candidates who have passed 10+2 Examination with English, Physics, Chemistry and Mathematics and have enrolled as members, can appear directly in the second Part of the Examination.

The Diploma Examination is offered in four Engineering disciplines. The other three are:

AUTOMOBILE ENGINEERING

PRODUCTION ENGINEERING

AIR-CONDITIONING AND REFRIGERATION ENGINEERING.

First Part: All the five papers are common to all the disciplines; The Second Part consists of nine Papers in each discipline.

Candidates who pass the Diploma Exam are eligible to use the abbreviated designation TEng after their names..TEng is equivalent to Polytechnic Diploma in the concerned discipline.

VI. FOODCRAFT COURSES:

Food craft courses are offered by Food craft institutes and Institutes of Hotel Management in the country.

Besides, under the Apprentices Act,1961, hotels and catering establishments offer courses in food craft field. The Food craft Courses cover such areas as Reception (Front office),Book-keeping, house-keeping Cookery, Bakery and Confectionary, Restaurant and Counter service, Canning and Food preservation, Food and Beverage Service, Hotel and Caring Management, and Food Production. The eligibility requirement for admission is a pass in Class10 OR (10+2) examination and the duration of the Course is 6 months to 2 years. These Courses are offered by private institutions also. SETWIN has also started these Courses.

Though these Courses are variously called Craft courses, certificate Courses or Diploma courses, basically they are short-term vocational Courses which prepare candidates for junior level skilled jobs. The Food craft institutes were sponsored by the dept. of Food. At present there are

15 Food craft Institutes located in different states. Hyderabad has one at Vidyanagar. (Off Shivam Road).

VII. TRAVEL AND TOURISM:

Matriculate candidates can take up Certificate or diploma Courses offered by the prominent private institutes in their vicinity. For example A Private Travel school , calling itself the leading travel and tourism academy has recently advertised or caused publicity through hand-outs for admission to IATA /UFTAA Foundation Course, Diploma in tourism Management, diploma in Airport ground Handling, Diploma in International Airline ticketing, Computerized Airline reservation System (Online Training) etc. It has assured job assistance also . The eligibility criteria is SSC/Inter/degree/PG.

The Academy is situated opp. Pillar No.28, Mehdipatnam Rethi Bowli, Hyderabad.

Desirous candidates should check all the details before joining such institutes.

VIII. UNANI MEDICINE :

Pune university admits 10th Class pass candidates in Degree Course called Bachelor of Unani Medicine and Surgery. [BUMS] for them the duration is seven and a half years.

IX. PRE-PRIMARY TEACHER:

Hyderabad is one of the most popular cities as far as academics and education is concerned. It has all the well established schools and institutions, you name a course and you will find it in Hyderabad. Hyderabad is a teaching hub for teachers, and hence, it has the best training schools as well. The demand for qualified teachers is very high and especially for those who have done a course in teacher training.

The concept of the course lays stress on not only the theoretical aspect of learning but also the practical side of it. Teacher training in Hyderabad, mostly holds advantage in the pre- primary and the primary level. Nursery teacher training in Hyderabad have both electrical and historical aspect. There is a lot of focus on the theoretical aspect and emphasis is also laid on the equipment handling techniques especially the Montessori apparatus and Material aids. The course enables the teachers to know management and Computer Aided Teaching techniques. Hence teachers with Montessori training in Hyderabad are quite advance in style and technique. THE SETWIN institute of management and computers is located in Saifabad offers a course in PRE primary teachers' training.

Many Private Training Institutes also offer the pre-Primary Teacher Training Courses for Matriculates.

X. NURSING TRAINING:

The Schools of nursing attached to a large number of hospitals offer courses like the ANM/MHW and GNM Courses. The Indian nursing council is the regulatory authority for nursing education.

AUXILLIARY NURSE AND MIDWIFE and MULTI-PURPOSE HEALTH WORKER Courses:

The eligibility requirement for admission to these Courses is a pass in Class 10 exam. Admissions are generally based on this Exam merit.
