



## SYLLABUS FOR CERTIFICATE IN DENTAL TECHNICIAN COURSE

### Semester-I

CODE	SUBJECT NAME	INTERNAL	EXTERNAL	TOTAL
CDTC101	Dental Anatomy and Terminology	40	60	100
CDTC102	Complete Dentures	40	60	100
CDTC103	Partial Dentures	40	60	100
CDTC104	Tooth Morphology	40	60	100
CDTC105	Dental Materials	40	60	100
CDTC106	Fixed Prosthodontics .	40	60	100
CDTC107	Practical	60	40	100
Total		300	400	700

## **CDTC101 DENTAL ANATOMY AND TERMINOLOGY**

A study of anatomy and terminology related to construction of dental appliances.

## **CDTC 102 COMPLETE DENTURES**

Students will be given an overview of complete denture construction. They will learn the anatomy and physiology of the mouth and associated structures. They will learn to pour impressions, fabricate impression trays, and construct occlusion rims. They will begin arranging artificial teeth for complete dentures, using various tooth forms and arch relationships.

Students will be given laboratory projects in complete denture construction. Use of heat polymerizing denture base acrylics, Basking, packing and recovering complete dentures.

Students will be able to repair broken dentures.

## **CDTC103 PARTIAL DENTURES**

Principles and major component parts for removable partial dentures. Partially edentulous classification, principles of survey and design, cast design, contour soldering, tooth arrangement and wax-up, process and finishing.

Students will be introduced to the materials and equipment necessary to complete all of these stages involved in the construction of removable partial dentures.

Students will construct cast metal framework. Master cast duplication, refractory cast waxing, investing, burnout and casting, trimming, tooth arrangement, process and finish.

## **CDTC 104 TOOTH MORPHOLOGY**

An introduction to tooth morphology and the elements of occlusion. Materials, instruments and techniques will be used to model oversized wax teeth. Life size wax patterns of occluding teeth surfaces will be constructed.

## **CDTC 105 DENTAL MATERIAL**

To study physical and chemical properties of materials used in dental appliance construction.

Testing and comparisons of dental materials.

## **CDTC 106 FIXED PROSTHODONTICS**

The last wax method of constructing fixed dental restorations. Occluding metal crowns will be constructed on models of articulated posterior dentitions. Metal crowns, pontics.

## **CDTC 181 PRACTIUM**

Students who complete assignments satisfactorily, will work in the hospital during the course to acquaint them with conditions, techniques and employment opportunities in specified laboratories and dental offices.

SunRise University