



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
MANONMANIAM SUNDARANAR UNIVERSITY

**SYLLABUS FOR DIPLOMA IN DENTAL CARE ASSISTANCE
PROGRAM OFFERED THROUGH DIRECTORATE OF VOCATIONAL
EDUCATION (COMMUNITY COLLEGES AND VOCATIONAL SKILL DEVELOPMENT
CENTRES) FROM 2019 – 2020**



கல்விசார் நிலைக்குழுக் கூட்டம்

**MEETING OF THE STANDING COMMITTEE ON
ACADEMIC AFFAIRS HELD ON FRIDAY
THE 28th JUNE 2019**

DIPLOMA IN DENTAL CARE ASSISTANCE

பல் நல பராமரிப்பு உதவியாளர் பட்டயம்

SCHEME OF EXAMINATION

Subject code	Title of the Course	Credit	Hours	Passing Minimum
Semester I				
C19DA11/E19DA01	Introduction to Health Care and Dental Services	6	90	40/100
C19DA12/E19DA02	Human Body and Oral Structures & functions	6	90	40/100
C19DA13/E19DA03	Various Specialities, diseases, Procedures and Usages of Dental materials	6	90	40/100
C19CE10/E19CE10	Communicative English	6	90	40/100
C19DAP1/E19DAP1	Practical I	4	120	40/100
Semester II				
C19DA21/E19DA04	Oral diseases & Other diseases related to Oral Cavity	6	90	40/100
C19DA22/E19DA05	Biomedical Waste management & Infection Control	6	90	40/100
C19LS23/E19LS05	Life Skill	6	90	40/100
C19DAP2/E19DAP2	Practical II	4	120	40/100
C19DAPW/E19DAPW	Internship – One month	10	150	40/100

Eligibility for admission: Pass in 10thstd examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent examination.

Examination: Passing Minimum for each Course is 40%. Classification will be done on the basis of percentage marks of the total marks obtained in all the Courses and as given below:

- 40 % but less than 50 % - Third class
50 % but less than 60 % - Second class
60 % and above - First class

Theory Paper

Internal Marks-25

External Marks-75

SYLLABUS

Semester I

Course I	:	Introduction to Health Care and Dental Services
Course II	:	Human Body and Oral Structures & functions
Course III	:	Various Specialities, diseases, Procedures and Usages of Dental materials
Course IV	:	Communicative English
Course V	:	Practical I

Semester II

Course VI	:	Oral diseases & Other diseases related to Oral Cavity
Course VII	:	Biomedical Waste management & Infection Control
Course VIII	:	Life Skill
Course IX	:	Practical II
Course X	:	Internship – One month

***(Semester Pattern for Community College Only)**

Program Objectives

- To successfully equip students with the knowledge and skills required of a competent entry-level dental assistant.
- To provide quality education and training that develops each student to become a productive and responsible member of society, as well as a skilled member of the dental assistant workforce.
- To prepare students to organize, prioritize, and delegate care by communicating effectively with members of the dental team while adhering to professional standards and ethics.

**Semester I
Course I**

(C19DA11/E19DA01)**Introduction to Health Care and Dental Services**

Objectives

- Basic understanding of Health Care Service Providers(Primary, Secondary and tertiary)
- Explain the student about the role of dental team
- Basic understanding of Dental setups and facilities

Unit I

18 Hrs

Introduction to Dental Care System –Understanding of Dental setup and facilities.

Unit II

18 Hrs

Explanation of major Dental Equipments with functions

- a) Dental Unit
- b) Compressor
- c) Scaler
- d) Light cure unit etc with connection

Unit III

18 Hrs

Speciality wise dental instrument and uses.

Unit IV

18 Hrs

Importance of autoclaving and handling of autoclaved instruments.

Unit V

18 Hrs

Observing Dental Procedures

Reference Books

- Robinson, Bird – Essentials of Dental Assisting
- Carmen Scheller – Basic Guide to Dental Instruments
- Linda Boyd – Dental Instruments Guide

Course II

(C19DA12/E19DA02)**Human Body and Oral Structures & functions**

Objectives

- To make the student understand human parts/organs
- To Enable the student understand oral(mouth) structures
- To Create knowledge functions of oral cavity(mouth)

Unit I

18 Hrs

General Human anatomy-structure and functions Eg) Heart, Brain, etc.

Unit II

18 Hrs

Oral Cavity(mouth)structures-mandible,maxilla,lip,tongue,softpalate,muscles of mastication

Unit III

18 Hrs

Functions and Composition of saliva

Unit IV

18 Hrs

Understanding of eruption of deciduous and permanent teeth with knowledge on impacted teeth

Unit V

18 Hrs

Function and teeth morphology

Reference Books

- B.D Churasia – Human Anatomy
- Maji Jose – Essentials of Oral Biology
- P.Sampath Kumar – Dental Anatomy and Tooth Morphology

Course III

(C19DA13/E19DA03) Various Specialities, diseases, Procedures and Usages of Dental materials

Objectives

- To make the student understand about all the specialities of dentistry
- Various diseases pertaining to different specialty and treatments
- Community dental programmes and screening

Unit I

18 Hrs

Explaining about various specialities including & implantology (Both audiovisual and clinical observation). special emphasize on dental xrays.

Unit II

18 Hrs

Observation of managing/doing procedures in all aspects of clinical practice. Eg) Extraction, filling, RCT, Scaling etc.

Unit III

18 Hrs

Dental Materials with respect to various procedures usage and hand son training.

Unit IV

18 Hrs

Emphasis on community dental programs and preventive care (at least five camps record to be submitted during practical I)

Unit V

18 Hrs

Broad knowledge about communicative skills to the patients about the procedures in the front office and before doing the procedures.

Reference Books

- Pramod John R – Textbook of Dental Radiology
- John J Manappallil – Basic Dental Materials
- Joseph John -Preventive and Community Dentistry

Course IV

(C19CE10/E19CE10)Communicative English

1. **Basic Grammar:**

- a. Review of grammar
- b. Remedial study of grammar
- c. Simple sentence
- d. Word passive voice etc.

2. **Bubbling Vocabulary:**

- a. Synonyms
- b. Antonyms
- c. One – word Institution

3. **Reading and Understanding English**

- a. Comprehension passage
- b. Précis – writing
- c. Developing a story from hints.

4. **Writing English**

- a. Writing Business letters.
- b. Paragraph writing
- c. Essay writing
- d. Dialogue writing

5. **Speaking English**

- a. Expressions used under different circumstances
- b. Phonetics

Reference

1. V.H.Baskaran – “English Made Easy”
2. V.H.Baskaran – “English Composition Made Easy”
(Shakespeare Institute of English Studies, Chennai)
3. N.Krishnaswamy – “Teaching English Grammar”
(T.R.Publication, Chennai)
4. “Life Skill” – P.Ravi, S.Prabakar and T.TamzilChelvam,
M.S.University, Tirunelveli.

Course V
(C19DAP1/E19DAP1) Practical I

1. Explaining about the functions of various attachments of dental unit, Compressor, Light cure unit, scaler, autoclave, etc.
2 equipments X 20 =40 marks
(Identifying the equipment, functions, various attachments, autoclaving)
2. Spotters
Identifying the instrument & one use to be return
instrument/material X 3= 30 marks
3. Viva voce 30 marks-relevant to first semester subjects.

Semester II
Course VI

(C19DA21/E19DA04) Oral diseases & Other diseases related to Oral Cavity

Objectives

- To understanding general acute and chronic diseases
- To understanding Exclusive mouth diseases(Oral)
- To understanding Precautions taken before/during dental treatment for patients suffering from general ailments.

Unit I

18 Hrs

General/systemic diseases Eg.) diabetes, hypertension, cardiac problems etc.(at least 15 diseases to be known)

Unit II

18 Hrs

Diseases of teeth (Hard tissues) including caries(cavities),gums (periodontis), malalligned teeth etc.

Unit III

18 Hrs

Diseases of soft tissues- alcers, swellings, red/white lesions of tongue, lip, soft palate, floor of the mouth.

Unit IV

18 Hrs

Instruments to be kept available for various dental procedures

Unit V

18Hrs

Precautions to be taken before dental procedures for medically compromised patients

Reference Books

- S N Chugh – Textbook of Clinical Medicine for Dental Students
- Swapan Kumar Purkait – Essentials of Oral Pathology

Course VII

(C19DA22/E19DA05)Biomedical Waste management & Infection Control

Objectives

- To create knowledge of hazardous materials used in dental practice
- Understanding of infectious oral diseases
- Disposal of Biomedical wastes in dental clinics

Unit I

18 Hrs

Types & Handling Methods:

Categories of Bio-Medical Wastes-Handling BMW Safely

Unit II

18 Hrs

Segregating & Disposal:

Color Coding -Types of Containers-Collection of BMW & Transportation

Unit III

18 Hrs

Type of Infections:

Understanding HIV & Hepatitis-Hospital Borne Infections-TB, Measles, Mumps& Rubella-Blood Borne, Body Fluids & Pick Infections

Unit IV

18 Hrs

Sterilization:

Cleaning of Instruments-Spread of Infections-Infection Control Factors-Different Types of Sterilizations-Operatory Preparation

Unit V

18 Hrs

Protection Methods:

Precautionary Measures-Using Protective Accessories Vaccinations, Hand Washing-Disinfection-Disposables

Reference Books

- Anantpreet Singh, Sukhjit Kaur – Biomedical Waste Disposal
- D B Acharya – Practical Handbook on Hospital Waste Management

Course VIII

(C19LS23/E19LS05)**Life Skill**

I Life Coping or adjustment

- (a) External and internal influence in one's life
- (b) Process of coping or adjustment
- (c) Coping with physical change and sexuality
- (d) Coping with stress, shyness, fear, anger far live and criticism.

II Attitude

- (a) Attitude
- (b) Self acceptance, self – esteem and self actualization
- (c) Positive thinking

III Problem Solving

- (a) Goal Setting
- (b) Decision Making
- (c) Time Management and stress Management.

IV Computers

- (a) Introduction to Computers
- (b) M.S.Office
- (c) Power Point

V Internet

- (a) Introduction to internet
- (b) E – mail
- (c) Browsing

References

- 1) Life Skill Programme course I & II by Dr. Xavier Alphona MCRDCE Publications. R.K.Mutt Road, Chennai – 28
- 2) ஆளுமை பண்பு வளர்த்தல் மற்றும் தகவல் தொடர்பு by M.Selvaraj Community College, Palayamkottai
- 3) “Life Skill” –P.Ravi, S.Prabahar &T.Tamil Chelvam, M.S. University, Tirunelveli

Course IX

(C19DAP2/E19DAP2) Practical II

1. A) Taking a dental X-ray and developing
B) Mixing of dental materials
C) Handling of autoclaved Instruments
D) Washing of used instruments
E) Positioning of dental units for any particular procedure, etc.
Any of above two
2 X 20=40 marks
2. Procedures to displayed in AV Units, lesions shown in AV units
10X3=30 marks
3. Viva Voce- 20 minutes per training to entire syllabus 30 marks

Course X

(C19DAPW/E19DAPW) Internship - One month

- One Month – Preferably during the 9 or 10 month of course, should be done from a teaching hospital attached dental clinic
- Record of Internship should be submitted to the university before applying for the second semester
