

**MASTER OF DENTAL SURGERY (M.D.S.) REGULATIONS 2017  
WITH AMENDMENTS UPTO 2019  
PUBLIC HEALTH DENTISTRY**

**1. SHORT TITLE AND COMMENCEMENT:**

These regulations shall be called 'MASTER OF DENTAL SURGERY REGULATIONS (M.D.S.) 2017' under SRM Institute of Science and Technology, Kattankulathur, Chengalpattu District, Tamilnadu. The regulations are in compliance to the Dental Council of India, Master of Dental Surgery Course Regulations 2017 with 2019 Amendments released in the Gazette of India dated 26.08.2019. The same has been placed and approved by the 42<sup>nd</sup> Academic Council Meeting of SRM Institute of Science and Technology held on 25.10.2019.

The regulations shall come into force for the candidates admitted from the academic year 2019 - 2020 onwards.

**DEFINITIONS:**

**PUBLIC HEALTH DENTISTRY**

Public Health Dentistry is the science and art of preventing and controlling dental diseases and promoting dental health through organised community efforts.

**NEET**

NEET means the National Eligibility-cum-Entrance Test conducted by the National Board of Examination for admission to post-graduate courses.

**2. ELIGIBILITY FOR SELECTION CRITERIA OF STUDENTS:**

A candidate for admission to the Master in Dental Surgery course, must possess a recognized degree of **Bachelor in Dental Surgery** awarded by a university or institute in India and registered with the State Dental Council and has obtained provisional or permanent registration and has undergone compulsory rotatory internship of a year in an approved/ recognized dental college:

**Provided that in the case of a foreign national, the following procedure shall be followed:**

The Council may, on payment of the prescribed fee for registration, grant temporary registration for the duration of the post-graduate training restricted to the dental college/institution to which he or she is admitted for the time being exclusively for post-graduate studies.

Provided further that temporary registration to such foreign national shall be subject to the condition that such person is duly registered as medical practitioner in his/her own country from which he/she has obtained his/her basics dental qualification and that his/her degree is recognized by the corresponding state dental council or concerned authority.

**2.A. SELECTION OF CANDIDATE FOR POST-GRADUATE COURSES:**

There shall be a uniform **NEET** for admission to the post-graduate dental courses in each academic year conducted in the manner, as prescribed by the National Board of Examination or any other authority appointed by the Central Government in this behalf. The overall superintendence, direction and control of the NEET shall vest with the Council.

**2.B. QUALIFYING CRITERIA FOR ADMISSION TO POST-GRADUATE COURSES:**

- (a) The candidate has to secure the following category-wise minimum percentile in NEET for admission to post-graduate courses held in a particular academic year. Provided that the percentile shall be determined on the basis of highest marks secured in the All-India common merit list in NEET for post-graduate courses:

|  |                             |
|--|-----------------------------|
| General  | 50 <sup>th</sup> Percentile |
| Person with locomotor disability of lower limbs            | 45 <sup>th</sup> percentile |
| Scheduled castes, Scheduled tribes, other backward classes | 40 <sup>th</sup> percentile |

Provided further, that when sufficient number of candidates in the respective categories fail to secure minimum marks as prescribed in

NEET held for any academic year for admission to post-graduate courses, the Central Government in consultation with the Council may, at its discretion lower the minimum marks required for admission to post-graduate courses for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for the said academic year only

- (b) The reservation of seats in dental college/institutions for respective categories shall be as per applicable laws prevailing in States/Union territories. An all India merit list as well as State-wise merit list of the eligible candidates shall be prepared on the basis of the marks obtained in NEET Test and candidates shall be admitted to post-graduate courses from the said merit list only
- (c) A candidate who has failed to secure the minimum percentile as prescribed in these regulations, shall not be admitted to any post-graduate courses in any academic year.

## **2.C. COMMON COUNSELING:**

There shall be a common counseling for admission to all post-graduate specialties (MDS) on the basis of merit list of the NEET to be conducted by the Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India.

## **2.D. REQUIRED DOCUMENTS:**

No candidate shall be admitted to any Postgraduate MDS course unless the candidate has obtained and produced eligibility certificate issued by University. The candidate has to make an application to the University with the following documents along with the prescribed fee:

- a. BDS pass / degree certificate issued by the University.
- b. Marks cards of all the university examinations passed (I to IV BDS year course).
- c. Attempt Certificate issued by the Principal.
- d. Certificate regarding the recognition of the Dental College by the Dental Council of India.
- e. Completion of paid rotatory internship certificate from a recognized college.
- f. Registration by any State Dental Council and
- g. Proof of SC/ ST or Category I, as the case may be.

Candidates should obtain the Eligibility Certificate before the last date for admission as notified by the University.

A candidate who has been admitted to postgraduate course should register his/her name in the University within a month of admission after paying the registration fee.

### **3. COURSE OVERVIEW:**

#### **3.A. DURATION OF THE COURSE:**

The Course shall be of three years duration. All the candidates for the degree of MDS are required to pursue the prescribed course for at least three academic years course as full time candidates under the direction of the Head of the Department, who has to be a recognized postgraduate teacher in that specialty.

#### **3.B. MAXIMUM DURATION OF THE COURSE:**

The time period required for passing out of the MDS course shall be a maximum of 6 years from the date of admission in said course.

### **4. COMMENCEMENT OF ACADEMIC SESSION:**

The classes for the course shall commence from 1<sup>st</sup> week of May and the cut-off date for admission will be 31<sup>st</sup> May.

### **5. MIGRATION:**

Under no circumstances, the migration or the transfer of students undergoing post-graduate degree shall not be permitted by **SRM Institute of Science and Technology** or the authority. No interchange of the speciality in the same institution or in any other institution shall be permitted after the date of commencement of session.

### **6. COMMENCEMENT OF EXAMINATION:**

Written examination shall consist of Basic Science - Part 1, which will be conducted at the end of 1<sup>st</sup> year of MDS course. Part 2 examination shall be conducted during the 1<sup>st</sup> week of June after completion of 3 years/ 36 months. Examinations for the repeaters /arrears shall be conducted in the month of December every academic year.

The University shall conduct not more than two examinations in a year, for any subject, with an interval of not less than 4 and not more than 6 months between the two examinations.

## **7. GOALS & OBJECTIVES OF THE CURRICULUM:**

### **7.A. GOALS**

**The goals of postgraduate training in various specialties is to train the graduate in Dental Surgery who will,**

1. Practice respective specialty efficiently and effectively, backed by scientific knowledge and skill.
2. Exercise empathy and a caring attitude and maintain high ethical standards.
3. Continue to evince keen interest in continuing professional education in the specialty and allied specialties irrespective of whether in teaching or practice.
4. Willing to share the knowledge and skills with any learner, junior or a colleague.
5. To develop the faculty for critical analysis and evaluation of various concepts and views, to adopt the most rational approach.

### **7.B. OBJECTIVES:**

The objective of the post-graduate training is to train a student so as to ensure higher competence in both general and special area of interest and prepare him or her for a career in teaching, research and speciality practice. A student must achieve a high degree of clinical proficiency in the subject and develop competence in research and its methodology in the concerned field.

The objectives to be achieved by the candidate on completion of the course may be classified as under

1. Knowledge (Cognitive domain)
2. Skills (Psycho motor domain)
3. Human values, ethical practice and communication abilities

### **KNOWLEDGE**

1. Demonstrate understanding of basic sciences relevant to speciality
2. Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the speciality in adults and

- children;
3. Identify social, economic, environmental and emotional determinants in a given case and take them into account for planned treatment;
  4. Recognise conditions that may be outside the area of speciality or competence and to refer them to the concerned specialist;
  5. Update knowledge by self study and by attending courses, conferences and seminars pertaining to speciality;
  6. Undertake audit, use information technology and carry out research in both basic and clinical with the aim of publishing or presenting the work at various scientific gathering

### **SKILLS:**

1. Take a proper clinical history, examine the patient, perform essential diagnostic procedures and order relevant tests and interpret them to come to a reasonable diagnosis about the condition
2. Acquire adequate skills and competence in performing various procedures as required in the speciality.

### **HUMAN VALUES, ETHICAL PRACTICE AND COMMUNICATION**

#### **ABILITIES:**

- ✓ Adopt ethical principles in all aspects of practice;
- ✓ Foster professional honesty and integrity;
- ✓ Deliver patient care irrespective of social status, caste, creed, or religion of the patient;
- ✓ Develop communication skills, to explain various options available and obtain a true informed consent from the patient;
- ✓ Provide leadership and get the best out of his team in a congenial working atmosphere;
- ✓ Apply high moral and ethical standards while carrying out human or animal research;
- ✓ Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed;
- ✓ Respect patient's rights and privileges including patient's right to information and right to seek a second opinion.

## 8. STRUCTURE OF PROGRAM:

| <b>M.D.S – Public Health Dentistry</b> |         |  |
|--|---------|--|
| Subject Code                           |         | Subject Title  |
| Part - I                               |         |  |
| 17MDS711                               | Paper 1 | Applied Basic Sciences: Applied Anatomy and Histology, Applied Physiology and Biochemistry, Applied Pathology, Microbiology, Oral Pathology, Physical and Social Anthropology, Applied Pharmacology and Research Methodology and Biostatistics |
| Part – II                              |         |  |
| 17MDS721                               | Paper 1 | Public Health  |
| 17MDS722                               | Paper 2 | Dental Public Health   |
| 17MDS723                               | Paper 3 | Descriptive and Analysing type question  |
| 17MDS724                               |         | Practical and Clinical   |
| 17MDS725                               |         | Viva - Voce and Pedagogy   |

## **9. ATTENDANCE, PROGRESS AND CONDUCT:**

A candidate pursuing degree/diploma course should work in the concerned department of the institution for the full period as a full time student. No candidate is permitted to run a clinic/ work in a clinic / laboratory /nursing home while studying post graduate course.

No candidate shall join any other course of study or appear for any other examination conducted by this university or any other university in India or abroad during the period of registration. Each year shall be taken as a unit for the purpose of calculating attendance. Every candidate shall have not less than 80 percent of attendance in each year of the course. However, candidates should not be continuously absent as the course is a full time one.

Every candidate shall attend symposia, seminars, conferences, journal review meetings, grand rounds, CPC, case presentation, clinics and lectures during each year as prescribed by the department and not absent himself /herself from work without valid reasons.

## **CONDONATION:**

There is no condonation for MDS courses

## **10. MONITORING PROGRESS OF STUDIES:**

### **10.1. WORK DIARY / LOG BOOK:**

- ✓ Every Post Graduate candidate shall maintain a record of skills [Log Book] he has acquired during the three years training period, certified by the various Heads of Departments he has undergone training.
- ✓ The candidate should record of his / her participation in the training programme conducted by the department such as journal reviews, seminars, etc. in the Log book.
- ✓ Special mention may be made of the presentations by the candidate as well as details of clinical or laboratory procedures, if any conducted by the candidate.
- ✓ The Head of the Department shall scrutinize the Log Book every 3 months.
- ✓ At the end of the course, the candidate should summarise the contents and the Log Book certified by the Head of the Department and Head of the Institution.



- ✓ The Log Book should be submitted at the time of University practical / Clinical examination for the scrutiny of the board of Examiners.

### **10.2. PERIODIC TESTS:**

In case of degree courses of three years duration, the concerned departments may conduct three tests, two of them be annual tests, one at the end of first year and the other in the second year. The third test may be held three months before the final examination. The tests may include written papers, practical /clinical and viva voce. Records and marks obtained in such tests will be maintained by the Head of the Department and sent to the University, when called for.

### **10.3. RECORDS:**

Records and marks obtained in tests will be maintained by the Head of the Department and will be made available to the University when called for.

### **11. DISSERTATION:**

The trainees shall prepare a dissertation based on the clinical or experimental work or any other study conducted by them under the supervision of the guide.

#### **11.1. DISSERTATION:**

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of a problem, formulation of a hypothesis, search and review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the Registrar of the University in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within **six months** from the date of commencement of the course on or before the dates notified by the University. The synopsis shall be sent through the proper channel.

Such synopsis will be reviewed and the dissertation topic will be registered by the University. No change in the dissertation topic or guide shall be made

without prior approval of the University. The dissertation should be written under the following headings:

- i Introduction
- ii Aims or Objectives of study
- iii Review of Literature
- iv Material and Methods
- v Results
- vi Discussion
- vii Summary & Conclusion

The written text of dissertation shall be not less than 50 pages and shall not exceed 150 pages excluding references, tables, questionnaires and other annexure. It should be neatly typed in double line spacing on one side of paper (A4 size, 8.27" x 11.69") and bound properly. Spiral binding should be avoided. The dissertation shall be certified by the guide, head of the department and head of the Institution.

The completed dissertation should be submitted six months before the final examination as per calendar of events.

The dissertation shall be valued by examiners appointed by the University. Approval of dissertation work is an essential precondition for a candidate to appear in the University examination.

**Guide:** The academic qualification and teaching experience required for recognition by this University as a guide for dissertation work is as laid down by Dental Council of India.

**Co-guide:** A co-guide may be included provided the work requires substantial contribution from a sister department or from another institution recognised for teaching/training by the Dental Council of India. The co-guide shall be a recognised postgraduate teacher of the University.

**Change of guide:** In the event of a registered guide leaving the college for any reason or in the event of death of guide, guide may be changed with prior permission from the university.

## **12. EXAMINATION:**

**ELIGIBILITY:** The following requirements shall be fulfilled by the candidate to become eligible for the final examination.

- (i) **Attendance:** Every candidate shall secure 80% attendance during each academic year.
- (ii) **Progress and conduct:** Every candidate shall participate in seminars, journal review meetings, symposia, conferences, case presentations, clinics and didactic lectures during each year organized by the concerned department.
- (iii) **Work diary and log book:** Every candidate shall maintain a work diary and log book as per check list appended to these regulations for recording his or her participation in the training programmes conducted by the department. The work diary and log book shall be verified and certified by the Head of the Department of the institution. The certification of satisfactory progress is based on the work diary and log book.

## **UNIVERSITY EXAMINATION**

The university examination shall consist of theory, practical and clinical examination and viva-voce and Pedagogy

### **12.1. THEORY:**

Part I shall consist of one paper. There shall be a theory examination in the Basic Sciences at the end of 1st year of course. The question papers shall be set and evaluated by the concerned Department/Speciality. The candidates shall have to secure a minimum of 50% in the Basic Sciences and shall have to pass the Part-I examination at least six months prior to the final (Part-II) examination.

Part II shall consist of three papers, namely

Paper I : Public Health

Paper II : Dental Public Health

Paper III: Essays - Descriptive and analyzing type question

## **12.2. PRACTICAL AND CLINICAL EXAMINATION**

The practical examination will consist of

- (i) Practical and Clinical Examination;
- (ii) Viva-voce; and (iii) Pedagogy

A candidate who wishes to study in a second specialty, shall have to undergo the full course of three years duration in that specialty.

**DISSERTATION:** Every candidate appearing for the post-graduate degree examination shall at least six months prior to the examinations, submit with his form for examination, four typewritten copies of the dissertation undertaken by the candidate, prepared under the direction and guidance of his/her guide. The dissertation so submitted shall be referred to the examiners for their examination and acceptance of it shall be a condition precedent to allow the candidate to appear for the written part of the examination: Provided that a candidate whose dissertation has been accepted by the examiner, but declared failed at the examination, shall be permitted to re-appear at the subsequent examination without a new dissertation: Provided further that if the dissertation is rejected by the examiner, the examiner shall assign reasons therefore with suggestions for its improvement to the candidate and such candidate shall resubmit his/ her dissertation to the examiner who shall accept it before appearing in the examination.

### **CLINICAL/PRACTICAL EXAMINATION:**

Clinical/practical examination is designed to test the clinical skill, performance and competence of the candidate in skills such as communication, clinical examination, medical/dental procedures or prescription, exercise prescription, latest techniques, evaluation and interpretation of results so as to undertake independent work as a specialist. SRMIST shall ensure that the candidate has been given ample opportunity to perform various clinical procedures. The practical/clinical examination in all the specialities shall be conducted for six candidates in two days: Provided that practical/clinical examination may be extended for one day, if it is not complete in two days.

### **VIVA-VOCE EXAMINATION:**

Viva voce examination aims at assessing the depth of knowledge, logical reasoning, confidence and communication skill of the students.

## UNIVERSITY EXAMINATION:

### Theory

|         |   |   |   |                  |
|---------|---|---|---|------------------|
| Part I  | : | Basic Sciences Paper  | - | <b>100 Marks</b> |
| Part II | : | Paper I, Paper II & Paper III<br>(100 Marks for each Paper) | - | <b>300 Marks</b> |

Written examination shall consist of Basic Sciences (Part-I) of three hours duration shall be conducted at the end of First year of MDS course. Part-II Examination shall be conducted at the end of Third year of MDS course. Part-II Examination shall consist of Paper-I, Paper-II and Paper-III, each of three hours duration. Paper-I & Paper-II shall consist of two long answer questions carrying 25 marks each and five questions carrying 10 marks each. Paper-III will be on Essays. In Paper-III three Questions will be given and student has to answer any two questions. Each question carries 50 marks. Questions on recent advances may be asked in any or all the papers.

### 12.3 DISTRIBUTION OF MARKS:

**THEORY:** (Total 400 Marks)

(1) **PART I UNIVERSITY EXAMINATION** (100 Marks)

There shall be 10 questions of 10 marks each

(Total of 100 Marks)

(2) **PART II** (3 papers of 100 Marks)

(i) **Paper I:** 2 long essay questions of 25 marks each  
and 5 short essays of 10 marks each. (Total of 100 Marks)

(ii) **Paper II:** 2 long essay questions of 25 marks each  
and 5 short essays of 10 marks each. (Total of 100 Marks)

(iii) **Paper III:** 2 out of 3 essay questions (50 x 2 = 100 Marks)

**PRACTICAL EXAMINATION:** 200 Marks

**VIVA-VOCE AND PEDOGOGY:** 100 Marks

**(MODEL QUESTION PATTERN)**

**MDS (PART I) DEGREE EXAMINATION  
First Year**

**Branch VII – Public Health Dentistry**

17MDS711 - Applied Basic Sciences: Applied Anatomy and Histology, Applied Physiology and Biochemistry, Applied Pathology, Microbiology, Oral Pathology, Physical and Social Anthropology, Applied Pharmacology and Research Methodology and Biostatistics

TIME: 3 HRS

MAX.MARKS:100

Answer All the Questions

(10x10=100 marks)

1. -----
2. -----
3. -----
4. -----
5. -----
6. -----
7. -----
8. -----
9. -----
10. -----

**(MODEL QUESTION PATTERN)**

**MDS (PART II) DEGREE EXAMINATION  
Branch VII – Public Health Dentistry**

Paper I – 17MDS721 – Public Health

TIME: 3 HRS

MAX.MARKS:100

Section A

Answer All the Questions (2x25=50 marks)

1. -----
2. -----

Section B

Answer All the Questions (5x10=50 marks)

3. -----
4. -----
5. -----
6. -----
7. -----

**(MODEL QUESTION PATTERN)**

**MDS (PART II) DEGREE EXAMINATION  
Branch VII – Public Health Dentistry**

Paper II – 17MDS722 – Dental Public Health

TIME: 3 HRS

MAX.MARKS:100

Section A

Answer All the Questions (2x25=50 marks)

1. -----
2. -----

Section B

Answer All the Questions (5x10=50 marks)

3. -----
4. -----
5. -----
6. -----
7. -----



**(MODEL QUESTION PATTERN)**

**MDS (PART II) DEGREE EXAMINATION  
Branch VII – Public Health Dentistry**

Paper III – 17MDS723 – Descriptive and Analysing type question

TIME: 3 HRS

MAX.MARKS:100

Answer Any 2 Questions

(2x50=100 marks)

1. -----
2. -----
3. -----

| <b>M.D.S – Public Health Dentistry</b> |         |  |                 |               |
|--|---------|--|-----------------|---------------|
| Subject Code                           |         | Subject Title  | Passing Minimum | Maximum marks |
| <b>Part - I</b>                        |         |  |                 |               |
| 17MDS711                               | Paper 1 | Applied Basic Sciences:<br>Applied Anatomy and Histology,<br>Applied Physiology and<br>Biochemistry, Applied<br>Pathology, Microbiology, Oral<br>Pathology, Physical and Social<br>Anthropology, Applied<br>Pharmacology and Research<br>Methodology and Biostatistics | 50              | 100           |
| Theory aggregate                       |         |  | 50              | 100           |
| <b>Part – II</b>                       |         |  |                 |               |
| 17MDS721                               | Paper 1 | Public Health  |                 | 100           |
| 17MDS722                               | Paper 2 | Dental Public Health   |                 | 100           |
| 17MDS723                               | Paper 3 | Descriptive and Analysing type<br>question   |                 | 100           |
| Theory aggregate                       |         |  | 150             | 300           |
| 17MDS724                               |         | Practical and Clinical   |                 | 200           |
| 17MDS725                               |         | Viva - Voce and Pedagogy   |                 | 100           |
| Practical aggregate                    |         |  | 150             | 300           |

**PRACTICAL EXAMINATIONS: PRACTICAL / CLINICAL EXAMINATION:  
200 MARKS**

**A. Practical / Clinical Examination**

1. Clinical examination of at least 2 patients representing the community – includes history, main complaints, examination and recording of the findings, using indices for the assessment of oral health and presentation of the observation including diagnosis, comprehensive treatment planning. **(50 Marks – 1 ½ Hrs)**
  
2. Performing **(50 Marks– 1 ½ Hrs)**
  - a) One of the treatment procedures as per treatment plan (Restorative, surgical, rehabilitation)
  - b) Preventive oral health care procedure.
  - c) One of the procedures specified in the curriculum
  
3. Critical evaluation of a given research article published in an international journal **(50 Marks – 1 Hour)**
  
4. Problem solving – a hypothetical oral health situation existing in a community is given with sufficient data. The student as a specialist in community dentistry is expected to suggest practical solutions to the existing oral health situation of the given community. **(50 Marks– 1 ½ Hrs)**

**B. Viva-Voce and Pedagogy: 100 Marks**

- ✓ **Viva-Voce examination: 80 Marks**

All examiners will conduct viva-voce conjointly on candidate's comprehension, analytical approach, expression, interpretation of data and communication skills. It includes all components of course contents. It includes presentation and discussion on dissertation also.
- ✓ **Pedagogy Exercise: 20 Marks**

A topic will be given to each candidate in the beginning of clinical examination. He/ she will be asked to make a presentation on the topic for 8-10 minutes.

### **13. EVALUATION METHOD**

#### **13.1. EXAMINERS:**

##### **PART II:**

There shall be four examiners in each subject. Out of them, two (50%) shall be external examiners and two (50%) shall be internal examiners. Both external examiners shall be from a university other than the affiliating university and one examiner shall be from a university of different State.

#### **13.2. QUALIFICATION AND EXPERIENCE FOR EXAMINERS:**

The qualification and experience for appointment of an examiner shall be as under

- (i) Shall possess qualification and experience of a Professor in a post-graduate degree programme;
- (ii) A person who is not a regular post-graduate teacher in the subject shall not be appointed as an examiner;
- (iii) The internal examiner in a subject shall not accept external examinership in a college for the same academic year;
- (iv) No person shall be appointed as an external examiner for the same institution for more than two consecutive years. However, if there is a break of one year, the person can be re-appointed.

#### **13.3. VALUATION OF ANSWER BOOKS:**

##### **PART I & II:**

Answer books shall be evaluated by four examiners, two internal and two external and the average marks shall be computed.

#### **14. PASSING MINIMUM:**

To pass the university examination, a candidate shall secure in both theory examination and in practical/clinical including viva voce independently with an aggregate of 50% of total marks allotted (50 out of 100 marks in Part I examination and 150 marks out of 300 in Part II examination in theory and 150 out of 300, clinical plus viva voce together). A candidate securing marks below 50% as mentioned above shall be declared to have failed in the examination. A candidate who is declared successful in the examination shall be granted a Degree of Master of Dental Surgery in the respective specialty.

### **15. RE-VALUATION AND RE-TOTALLING:**

There is no provision for re-evaluation or re-totalling of answer books.

### **16. CLASSIFICATION:**

As the Master of Dental Surgery course is more of training and practice oriented giving class is precluded.

### **MEDALS AND RANKINGS:**

All papers should be cleared in the first attempt and percentage of marks secured should be above 60.

### **OBJECTIVES OF THE SPECIALITY**

At the end of 3 years of training the candidate should be able to

#### **KNOWLEDGE**

1. Applied basic sciences knowledge regarding etiology, diagnosis and management of the prevention, promotion and treatment of all the oral conditions at the individual and community level.
2. Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
3. Ability to conduct Oral Health Surveys in order to identify all the oral health problems affecting the community and find solutions using multi – disciplinary approach.
4. Ability to act as a consultant in community Oral Health, teach, guide and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international level.

#### **SKILLS**

The candidate should be able to

1. Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis.

2. Plan and perform all necessary treatment, prevention and promotion of Oral Health at the individual and community level.
3. Plan appropriate Community Oral Health Program, conduct the program and evaluate, at the community level.
4. Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures.
5. Develop appropriate person power at various levels and their effective utilization.
6. Conduct survey and use appropriate methods to impart Oral Health Education.
7. Develop ways of helping the community towards easy payment plan, and followed by evaluation for their oral health care needs.
8. Develop the planning, implementation, evaluation and administrative skills to carry out successful community Oral Health Programs.

### **VALUES**

1. Develop attitude to seek opinion from allied medical and dental specialists as and when required.
2. Adopt ethical principles in all aspects of Community Oral Health Activities.
3. To apply ethical and moral standards while carrying out epidemiological researches.
4. Develop communication skills, in particular to explain the causes and prevention of oral diseases to the patient.
5. Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed and promote teamwork approach.
6. Respect patient's rights and privileges including patients right to information and right to seek a second opinion.

### **17. SYLLABUS:**

**Part I** : Applied Basic Sciences

**Part II**

Paper I : Public Health

Paper II : Dental Public Health

Paper III: Descriptive and analyzing type question

## DETAILED SYLLABUS:

### PART I

| SUBJECT CODE | PAPER   | SUBJECT TITLE   |
|--------------|---------|---|
| 17MDS711     | PAPER 1 | <b>Applied Basic Sciences:</b> Applied Anatomy and Histology, Applied Physiology and Biochemistry, Applied Pathology, Microbiology, Oral Pathology, Physical and Social Anthropology, Applied Pharmacology and Research Methodology and Biostatistics |

### PART I

#### **PAPER 1: Applied Anatomy and Histology, Physiology, Biochemistry, Pathology, Microbiology, Oral Pathology, Physical & Social Anthropology, Applied Pharmacology, Research Methodology & Biostatistics**

#### **1. Applied Anatomy and Histology:**

- a) Applied Anatomy in relation to:
  - Development of face
  - Bronchial arches
  - Muscles of facial expression
  - Muscles of mastication
  - TMJ
  - Salivary gland
  - Tongue
  - Hard and soft palate
  - Infratemporal fossa
  - Paranasal air sinuses
  - Pharynx and larynx
  - Cranial and spinal nerves- with emphasis on trigeminal, facial, glossopharyngeal and hypoglossal nerve
  - Osteology of maxilla and mandible

- Blood supply, venous and lymphatic drainage of head and neck
- Lymph nodes of head and neck
- Structure and relations of alveolar process and edentulous mouth
- Genetics-fundamentals

**b) Oral Histology:**

- Development of dentition, Innervations of dentin and pulp
- Periodontium-development, histology, blood supply, nerve supply and lymphatic drainage
- Oral mucous membrane
- Pulp-periodontal complex

**2. Applied Physiology and Biochemistry:**

- Cell
- Mastication and deglutition
- Food and nutrition
- Metabolism of carbohydrates, proteins and fats
- Vitamins and minerals
- Saliva and Oral health
- Fluid and electrolyte balance
- Pain pathway and mechanism-types, properties
- Blood composition and functions, clotting mechanism and erythropoiesis, Blood groups and transfusions, Pulse and blood pressure,
- Dynamics of blood flow
- Cardiovascular homeostasis-heart sounds
- Respiratory system: Normal physiology and variations in health and diseases, Asphyxia and artificial respiration
- Endocrinology: thyroid, parathyroid, adrenals, pituitary, sex hormones and pregnancy, Endocrine regulation of blood sugar.

**3. Applied Pathology:**

- Pathogenic mechanism of molecular level
- Cellular changes following injury
- Inflammation and chemical mediators



- Oedema, thrombosis and embolism
- Hemorrhage and shock
- Neoplasia and metastasis
- Blood disorders
- Histopathology and pathogenesis of dental caries, periodontal disease, oral mucosal lesions, and malignancies
- HIV
- Propagation of dental infection

#### **4. Microbiology:**

- Microbial flora of oral cavity
- Bacteriology of dental caries and periodontal disease
- Methods of sterilization
- Infection control in dental office / camps
- Virology of HIV, herpes, hepatitis
- Parasitology
- Basic immunology – basic concepts of immune system in human body
  - Cellular and humoral immunity
  - Antigen and antibody system
  - Hypersensitivity
  - Autoimmune diseases

#### **5. Oral Pathology:**

- Detailed description of diseases affecting the oral mucosa, teeth, supporting tissues and jaws.

#### **6. Physical and Social Anthropology:**

Anthropology is a part of Social Sciences, which also constitutes behavioral sciences i.e., Psychology and Sociology. Behavioral Sciences has been mentioned in Public Health.

- Introduction and definition
- Appreciation of the biological basis of health and disease
- Evolution of human race, various studies of different races by anthropological methods

## 7. **Applied Pharmacology:**

- Definition, scope and relations to other branches of medicine, mode of action, bioassay, standardization, pharmacodynamics, pharmacokinetics.
- Chemotherapy of bacterial infections and viral infections – sulphonamides and antibiotics.
- Local anesthesia
- Analgesics and anti-inflammatory drugs
- Hypnotics, tranquilizers and antipyretics
- Important hormones-ACTH, cortisone, insulin and oral antidiabetics.
- Drug addiction and tolerance
- Important pharmacological agents in connection with autonomic nervous system- adrenaline, noradrenaline, atropine
- Brief mention of antihypertensive drugs
- Emergency drugs in dental practice
- Vitamins and haemopoietic drugs
- Effect of drugs on oral health

## 8. **Research Methodology and Biostatistics:**

**Health Informatics** – basic understanding of computers and its components, operating software (Windows), Microsoft office, preparation of teaching materials like slides, project, multimedia knowledge. Operative skills in analyzing the data.

**Research Methodology** – definitions, types of research, designing written protocol for research, objectivity in methodology, quantification, records and analysis.

**Biostatistics** – introduction, applications, uses and limitations of bio – statistics in Public Health dentistry, collection of data, presentation of data, measures of central tendency, measures of dispersion, methods of summarizing, parametric and non parametric tests of significance, correlation and regression, multivariate analysis, sampling and sampling techniques – types, errors, bias, trial and calibration

## PART II

| SUBJECT CODE | PAPER   | SUBJECT TITLE |
|--------------|---------|---------------|
| 17MDS721     | PAPER 1 | Public Health |

### Paper I: Public Health

#### 1. Public Health:

- Definition, concepts and philosophy of dental health
- History of public health in India and at international level
- Terminologies used in public health

#### 2. Health:

- Definition, concepts and philosophy of health
- Health indicators
- Health determinants
- Community and its characteristics and relation to health

#### 3. Disease:

- Definition, concepts
- Multifactorial causation, natural history, risk factors
- Disease control and eradication, evaluation and causation, infection of specific diseases
- Vaccines and immunization

#### 4. General Epidemiology:

- Definition and aims, general principles
- Multifactorial causation, natural history, risk factors
- Methods in epidemiology, descriptive, analytical, experimental and classic epidemiology of specific diseases, uses of epidemiology
- Duties of epidemiologist

- General idea of method of investigating chronic diseases, mostly non-infectious nature, epidemic, endemic, and pandemic.
- Ethical conversation in any study requirement
- New knowledge regarding ethical subjects
- Screening of diseases and standard procedures used

#### **5. Environmental Health:**

- Impact of important components of the environment of health
- Principles and methods of identification, evaluation and control of such health hazards
- Pollution of air, water, soil, noise, food
- Water purification, international standards of water
- Domestic and industrial toxins, ionizing radiation
- Occupational hazards
- Waster disposal- various methods and sanitation

#### **6. Public Health Education:**

- Definition, aims, principles of health education
- Health education, methods, models, contents, planning health education programs

#### **7. Public Health Practice and Administration System in India.**

#### **8. Ethics and Jurisprudence:**

- Basic principles of law
- Contract laws- dentist – patient relationships & Legal forms of practice
- Dental malpractice
- Person identification through dentistry
- Legal protection for practicing dentist
- Consumer protection act

#### **9. Nutrition in Public Health:**

- Study of science of nutrition and its application to human problem
- Nutritional surveys and their evaluations

- Influence of nutrition and diet on general health and oral health, dental caries, periodontal disease and oral cancers
- Dietary constituents and cariogenicity
- Guidelines for nutrition

#### **10. Behavioral Sciences:**

- Definition and introduction
- Sociology: social class, social group, family types, communities and social relationships, culture, its effect on oral health.
- Psychology: definition, development of child psychology, anxiety, fear and phobia, intelligence, learning, motivation, personalities, fear, dentist-patient relationship, modeling and experience

#### **11. Hospital Administration:**

- Departmental maintenance, organizational structures
- Types of practices
- Biomedical waste management

#### **12. Health Care Delivery System:**

- International oral health care delivery systems – Review
- Central and state system in general and oral health care delivery system if any
- National and health policy
- National health programmes
- Health Planning and Evaluation
- Primary health care – concepts, oral health in PHC and its implications
- National and international health organizations
- Dentists Act 1928, Dental council of India, Ethics, Indian Dental Association
- Role of W.H.O. and Voluntary organizations in Health Care for the Community

#### **13. Oral Biology and Genetics:**

- A detailed study of cell structure
- Introduction to Genetics, Gene structure, DNA, RNA

- Genetic counseling, gene typing
- Genetic approaches in the study of oral disorders
- Genetic Engineering - Answer to current health problems

**14. Demography & Family Planning:**

- Demographic trends, family planning methods, milestones in population control in India.

**15. Health Economics:**

Health benefit analysis and Cost effective analysis

**PART II**

| SUBJECT CODE | PAPER   | SUBJECT TITLE        |
|--------------|---------|----------------------|
| 17MDS722     | PAPER 2 | Dental Public Health |

**Paper II: Dental Public Health**

**1. Dental Public Health:**

- History
- Definition and concepts of dental public health
- Differences between clinical and community dentistry
- Critical review of current practice
- Dental problems of specific population groups such as chronically ill, handicapped and institutionalized group

**2. Epidemiology of Oral Diseases and Conditions:**

- Dental caries, gingival, periodontal disease malocclusion, dental Fluorosis, oral cancer, TMJ disorders and other oral health related problems.

**3. Oral Survey Procedures:**

- Planning

- Implementation
- WHO basic oral health methods 1997
- Indices for dental diseases and conditions
- Evaluation

#### **4. Delivery of Dental Care:**

- Dental person power – dental auxiliaries
- Dentist – population ratios,
- Public dental care programs
- School dental health programs- Incremental & comprehensive care
- Private practice and group practice
- Oral health policy – National and international policy

#### **5. Payment for Dental Care:**

- Prepayment
- Post-payment
- Reimbursement plans
- Voluntary agencies
- Health insurance

#### **6. Evaluation of Quality of Dental Care:**

- Problems in public and private oral health care system program
- Evaluation of quality of services, governmental control

#### **7. Preventive Dentistry:**

- Levels of prevention
- Preventive oral health programs screening, health education and motivation
- Prevention of all dental diseases-dental caries, periodontal diseases, oral cancer, malocclusion and Dentofacial anomalies
- Role of dentist in prevention of oral diseases at individual and community level.
- Fluoride
  - History
  - Mechanism of action
  - Metabolism

- Fluoride toxicity
- Fluorosis
- Systemic and topical preparations
- Advantages and disadvantages of each
- Update regarding Fluorosis
- Epidemiological studies
- Methods of fluoride supplements
- Defluoridation techniques
- Antifluoridation lobby
- Plaque control measures-
  - Health Education
  - Personal oral hygiene
  - Tooth brushing technique
  - Dentifrices, mouth rinses
- Pit and fissure sealant, ART, Preventive resin restoration
- Preventive oral health care for medically compromised individual
- Update on recent preventive modalities
- Caries vaccines
- Dietary counseling

## **8. Practice Management:**

- Definition
- Principles of management of dental practice and types
- Organization and administration of dental practice
- Ethical and legal issues in dental practice
- Current trends
- Infection control in dental practice

## **9. Tobacco Counseling:**

- Health Consequences
- Tobacco dependence
- Benefits of intervention
- Tobacco cessation
- Role of dentist

## **10. Health Man Power Planning**



## PART II

| SUBJECT CODE | PAPER   | SUBJECT TITLE                            |
|--------------|---------|--|
| 17MDS723     | PAPER 3 | Descriptive and Analysing type questions |

### Paper III: Descriptive and analyzing question

#### 18. TEACHING AND LEARNING ACTIVITIES:

##### 18.1. LECTURES:

There shall be some didactic lectures in the specialty and in the allied fields. The departments shall encourage guest lectures in the required areas and integrated lectures by multi-disciplinary teams on selected topics, to strengthen the training programmes.

##### 18.2. JOURNAL REVIEW:

The journal review meetings shall be held at least once a week. All trainees associate and staff associated with the post-graduate programme are expected to participate actively and enter relevant details in the logbook. The trainee shall make presentations from the allotted journals of selected articles. A model check list for the evaluation of journal review presentation is annexed as check list 1 of these regulations.

##### 18.3. SEMINARS:

The seminars shall be held at least twice a week in each department. All trainees are expected to participate actively and enter relevant details in logbook. A model check list for the evaluation of seminar presentation is annexed at check list 2 of these regulations.

##### 18.4. SYMPOSIUM:

It is recommended to hold symposium on topics covering multiple disciplines.

**18.5. CLINICAL POSTINGS:**

Each trainee shall work in the clinics on regular basis to acquire adequate professional skills and competency in managing various cases, A model check list for evaluation of clinical postings is annexed as check list 3 of these regulations.

**18.6. CLINICO- PATHOLOGICAL CONFERENCE:**

The clinicopathological conference shall be held once a month involving the faculties of Oral Medicine and Radiology, Oral Pathology and allied clinical departments. The trainees shall be encouraged to present the clinical details, radiological and histopathological interpretations and participation in the discussions.

**18.7. INTER-DEPARTMENTAL MEETINGS:**

To encourage integration among various specialties, there shall be inter-departmental meeting chaired by the Dean with all heads of post-graduate departments at least once a month.

**18.8. TEACHING SKILLS:**

All the trainees shall be encouraged to take part in undergraduate teaching programmes either in the form of lectures or group discussions. A model check list for evaluation of teaching skills is annexed as check list 5 of these regulations.

**18.9. DENTAL EDUCATION PROGRAMMES:**

Each department shall organize dental education programmes on regular basis involving other institutions. The trainees shall also be encouraged to attend such programmes conducted outside their university or institute.

**18.10. CONFERENCES / WORKSHOPS / ADVANCED COURSES:**

The trainees shall be encouraged to attend conference/ workshops/advanced courses and also to present at least three scientific / posters at State / national level specialty and allied conferences / conventions during the training period.

### **18.11. ROTATION AND POSTING IN OTHER DEPARTMENTS:**

To bring in more integration among the specialties and allied fields, each department shall workout a programme to rotate the trainees in related disciplines.

### **18.12. DISSERTATION / THESIS:**

A model check list for evaluation of dissertation presentation and continuous evaluation of dissertation work by guide / co-guide is annexed at check list 6 of this regulation. A model overall assessment sheet to be filled by all the trainees undergoing post-graduate course is annexed at check list 8 of this regulation.

### **18.13. MINIMUM REQUIRED QUOTA:**

All the students of the specialty departments shall complete the minimum quota for the teaching and learning activities, as follows

- |   |   |   |
|---|---|---|
| (a) Journal Clubs   | : | 5 in a year   |
| (b) Seminars  | : | 5 in a year   |
| (c) Clinical case presentations   | : | 4 in a year   |
| (d) Lectures taken for undergraduates   | : | 1 in a year   |
| (e) Scientific Paper / Poster Presentations in State / National level conferences | : | 3 papers / posters during three years of training period                            |
| (f) Clinicopathological conferences   | : | 2 presentations during three years of training period                               |
| (g) Scientific publication (optional)   | : | One publication in any indexed scientific journal                                   |
| (h) Submission of synopsis  | : | One synopsis within six months from the date of commencement of the course          |
| (i) Submission of Dissertation  | : | One dissertation within six months before appearing for the university examination  |
| (j) Submission of Library Dissertation  | : | One dissertation within eighteen months from the date of commencement of the course |

## **18.14. ACADEMIC QUOTA:**

**The post graduate is expected to complete the following at the end of:**

### **FIRST YEAR**

#### **Seminars:**

- 5 seminars in basic sciences subject,
- To conduct 10 journal clubs
- Library assignment on assigned topics – 2
- Submission of synopsis for dissertation-within 6 months
- Periodic review of dissertation at two monthly intervals

#### **Clinical Training:**

1. Clinical assessment of patient
2. Learning different criteria and instruments used in various oral indices assessing oral hygiene, periodontal disease, wasting disease, flourosis and malocclusion – 5 cases each
  - Oral Hygiene Index – Greene and Vermillion
  - Oral Hygiene Index – Simplified
  - DMF – DMF (T), DMF (S)
  - def t/s
  - Fluorosis Indices – Dean’s Fluorosis Index, Tooth Surface Index for Fluorosis, Thylstrup and Fejerskov Index
  - Community Periodontal Index (CPI)
  - Plaque Index-Silness and Loe, gingival index – Loe and Silness
  - Russels periodontal disease index
  - WHO Oral Health Assessment Form – 1997
  - Carrying out treatment (under comprehensive oral health care) of 10 patients
  - maintaining complete records.

#### **Field Programme:**

1. Carrying out preventive programs and health education for school children of the adopted school.
2. School based preventive programs-
  - Topical Fluoride application-Sodium Fluoride, Stannous Fluoride, Acidulated Phosphate Fluoride preparations and Fluoride varnishes, Fluoride mouth rinses

- Pit and Fissure Sealant – chemically cured (GIC), light cured
- Minimal Invasive Treatment-Preventive Resin Restorations (PRR), Atraumatic Restorative Treatment (ART)
- Organizing and carrying out dental camps in both urban and rural areas.
- 3. Visit to slum, water treatment plant, sewage treatment plant, and Milk dairy, Public Health Institute, Anti-Tobacco Cell, Primary Health Center and submitting reports.
- 4. In additions the postgraduate shall assist and guide the under graduate students in their clinical and field programs.

## **SECOND YEAR**

### **Seminars:**

- Seminars in Public Health and Dental Public Health topics
- Conducting journal clubs
- Short term research project on assigned topics – 2
- Periodic review of dissertation at monthly reviews

### **Clinical Training-Continuation of the Clinical Training:**

1. Clinical assessment of patient
2. Learning different criteria and instruments used in various oral indices assessing oral hygiene, periodontal disease, wasting disease, flourosis and malocclusion – 5 each
  - Oral Hygiene Index – Greene and Vermillion
  - Oral Hygiene Index – Simplified
  - DMF – DMF (T), DMF (S)
  - def t/s
  - Fluorosis Indices – Dean’s Fluorosis Index, Tooth Surface Index for Fluorosis, Thylstrup and Fejerskov Index
  - Community Periodontal Index (CPI)
  - Plaque Index-Silness and Loe, gingival index – Loe and Silness
  - Russels periodontal disease index
  - WHO Oral Health Assessment Form – 1987
  - Carrying out treatment (under comprehensive oral health care) of 10 patients
  - maintaining complete records

### **Field Program – Continuation of Field Program:**

- Carrying out school dental health education
- School based preventive programs-
  - Topical Fluoride application-Sodium Fluoride, Stannous Fluoride, Acidulated Phosphate Fluoride preparations and Fluoride varnishes, Fluoride mouth rinses
  - Pit and Fissure Sealant – chemically cured (GIC), light cured
  - Minimal Invasive Treatment-Preventive Resin Restorations (PRR), Atraumatic Restorative Treatment (ART)
  - Organizing and carrying out dental camps in both urban and rural areas.
- Assessing oral health status of various target groups like School children, Expectant mothers Handicapped, Underprivileged, and geriatric populations. Planning dental manpower and financing dental health care for the above group.
- Application of the following preventive measures in clinic-10 Cases each.
  - Topical Fluoride application – Sodium Fluoride, Stannous Fluoride, Acidulated Phosphate Fluoride preparations and Fluoride varnishes.
  - Pit and Fissure Sealant
- Planning total health care for school children in an adopted school:
  - Periodic surveying of school children
  - Incremental dental care
  - Comprehensive dental care
- Organizing and conducting community oral health surveys for all oral conditions-3 surveys
- In addition the post graduate shall assist and guide the under graduate students in their clinical and field programs
- To take lecture classes (2) for Undergraduate students in order to learn teaching methods (pedagogy) on assigned topic.

### **THIRD YEAR:**

#### **Seminars:**

- Seminars on recent advances in Preventive Dentistry and Dental Public Health
- Critical evaluation of scientific articles – 10 articles
- Completion and submission of dissertation

### **Clinical Training:**

1. Clinical assessment of patient
2. Learning different criteria and instruments used in various oral indices assessing oral hygiene, periodontal disease, wasting disease, fluorosis and malocclusion – 5 each
  - Oral Hygiene Index – Greene and Vermillion
  - Oral Hygiene Index – Simplified
  - DMF – DMF (T), DMF (S)
  - def t/s
  - Fluorosis Indices – Dean's Fluorosis Index, Tooth Surface Index for Fluorosis, Thylstrup and Fejerskov Index
  - Community Periodontal Index (CPI)
  - Plaque Index-Silness and Loe, gingival index – Loe and Silness
  - Russels periodontal disease index
  - WHO Oral Health Assessment Form – 1987
  - Carrying out treatment (under comprehensive oral health care) of 10 patients – maintaining complete records

### **Field Program – Continuation of Field Program:**

- Carrying out school dental health education
- School based preventive programs
  - Topical Fluoride application – Sodium Fluoride, Stannous Fluoride, Acidulated Phosphate Fluoride preparations and Fluoride varnishes
  - Pit and Fissure Sealant
  - Minimal Invasive Techniques – Preventive Resin Restorations (PRR), Atraumatic Restorative Treatment (ART)
- To take lecture classes (2) for Undergraduate students in order to learn teaching methods (pedagogy) on assigned topic
- Exercise on solving community health problems – 10 problems
- Application of the following preventive measures in clinic – 10 cases each
  - Topical Fluoride application – Sodium Fluoride, Stannous Fluoride, Acidulated Phosphate Fluoride preparations
  - Pit and Fissure sealants
- Dental – health education training of school teachers, social workers, health workers,
- Posting at dental satellite centers/ nodal centers

- In addition, the post graduate shall assist and guide the under graduate students in their clinical and field programs

## **19. RECOMMENDED LIST OF TEXTBOOKS & JOURNALS:**

### **TEXT BOOKS:**

1. Dentistry dental practice and community by David F. Striffler and Brain A. Burt. Edn- 983 W. B. Saunders company
2. Principles of Dental public health by James Morse Dunning, IV Edition 1986,Harward University Press.
3. Dental public health and community Ed by Anthony Jong Publication by the C.V.Mosby company 1981
4. Community oral health A –system approach by Patricia P. Cormier and Joyce I. Levy published by Appleton-century-Crofts/New York,1981
5. Community dentistry – A problem oriented approach by P.C. Dental Hand book series vol .8. by Stephen L. Silverman and Ames F. Tryon, series editor –Alvin F Gardener, PSG Publishing company Inc. Littleton Massachusetts , 1980
6. Dental public health- An introduction to public health dentistry. Edition by Geoffrey L. Slack and Brain Burt ,Published by John Wright and sons Bristol,1980.
7. Oral health surveys – Basic methods ,2013 Published by WHO GENEVA available at the regional office New Delhi
8. Preventive Medicine and Hygiene – By Maxcy and Rosenau , Published by Appleton century crofts , 1986
9. Preventive Dentistry – By J.O. Forrest published by John Wright and Sons Bristol , 1980
10. Preventive Dentistry by Murray , 1997
11. Introduction to Bio- statistics By B.A.Mahajan
12. Research Methodology and Bio statistics .
13. Introduction to statistical methods By Grewal.
14. Text Book of Preventive and social Medicine by Park and park, 24th edition.
15. Community Dentistry by Dr.Soben Peter. 5th Edition



**JOURNALS RECOMMENDED:**

| <b>S.No</b> | <b>JOURNALS</b>                                       | <b>National / International</b> |
|-------------|---|---------------------------------|
| 1           | Journal of Public Health Dentistry                    | International                   |
| 2           | Community Dental Health                               | International                   |
| 3           | Community Dentistry and Oral Epidemiology             | International                   |
| 4           | Caries Research                                       | International                   |
| 5           | Cleft Palate-Craniofacial Journal                     | International                   |
| 6           | Journal of Dental Hygiene                             | International                   |
| 7           | Oral Health & Preventive Dentistry                    | International                   |
| 8           | International Journal of Oral Epidemiology            | International                   |
| 9           | Health Education Research                             | International                   |
| 10          | European Journal of Dental Education                  | International                   |
| 11          | Journal of Fluorides                                  | International                   |
| 12          | International Dental Journal                          | International                   |
| 13          | Journal of Dental Research                            | International                   |
| 14          | European Journal of Public Health                     | International                   |
| 15          | Journal of Public Health                              | International                   |
| 16          | Dental Clinics of North America                       | International                   |
| 17          | Indian Association Journal of Public Health Dentistry | National                        |
| 18          | Indian Journal of Medical Research                    | National                        |
| 19          | Indian Journal of Multidisciplinary Dentistry         | National                        |
| 20          | Journal of Advanced Oral Research                     | National                        |

## 20.CHECKLISTS AND LOGBOOKS

### CHECKLIST 1 MODEL CHECK LIST FOR EVALUATION OF JOURNAL REVIEW PRESENTATIONS

Name of the Trainee:

Date:

Name of the Faculty / Observer:

| Sl. No      | Items for observation during presentation                                   | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|---|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Article chosen was  |           |                    |              |           |                |
| 2.          | Extent of understanding of scope & objectives of the paper by the candidate |           |                    |              |           |                |
| 3.          | Whether cross-references have been consulted                                |           |                    |              |           |                |
| 4.          | Whether other relevant publications consulted                               |           |                    |              |           |                |
| 5.          | Ability to respond to questions on the paper/ subject                       |           |                    |              |           |                |
| 6.          | Audio - Visual aids used  |           |                    |              |           |                |
| 7.          | Ability to defend the paper   |           |                    |              |           |                |
| 8.          | Clarity of presentation   |           |                    |              |           |                |
| 9.          | Any other observation   |           |                    |              |           |                |
| Total Score |   |           |                    |              |           |                |

**CHECKLIST 2**  
**MODEL CHECK LIST FOR EVALUATION OF SEMINAR PRESENTATIONS**

Name of the Trainee:

Date:

Name of the Faculty / Observer:

| Sl. No      | Items for observation during presentation     | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|---|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Completeness and preparation                  |           |                    |              |           |                |
| 2.          | Clarity of presentation                       |           |                    |              |           |                |
| 3.          | Understanding of subject                      |           |                    |              |           |                |
| 4.          | Whether other relevant publications consulted |           |                    |              |           |                |
| 5.          | Whether cross-references have been consulted  |           |                    |              |           |                |
| 6.          | Ability to answer the questions               |           |                    |              |           |                |
| 7.          | Time scheduling                               |           |                    |              |           |                |
| 8.          | Appropriate use of Audio - Visual aids        |           |                    |              |           |                |
| 9.          | Overall performance                           |           |                    |              |           |                |
| 10.         | Any other observation                         |           |                    |              |           |                |
| Total Score |   |           |                    |              |           |                |

**CHECKLIST 3**  
**MODEL CHECK LIST FOR EVALUATION OF CLINICAL WORK IN OPD**

Name of the Trainee:  
 Name of the Unit Head:

Date:

| Sl. No      | Items for observation during presentation        | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|--|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Regularity of attendance                         |           |                    |              |           |                |
| 2.          | Punctuality                                      |           |                    |              |           |                |
| 3.          | Interaction with colleagues and supportive staff |           |                    |              |           |                |
| 4.          | Maintenance of case records                      |           |                    |              |           |                |
| 5.          | Presentation of cases                            |           |                    |              |           |                |
| 6.          | Investigations work-up                           |           |                    |              |           |                |
| 7.          | Chair side manners                               |           |                    |              |           |                |
| 8.          | Rapport with patients                            |           |                    |              |           |                |
| 9.          | Overall quality of clinical work                 |           |                    |              |           |                |
| Total Score |  |           |                    |              |           |                |

**CHECKLIST 4**  
**EVALUATION OF CLINICAL CASE PRESENTATION**

Name of the Trainee:

Date:

Name of the faculty / Observer:

| Sl. No      | Items for observation during presentation   | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|---|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Completeness of history   |           |                    |              |           |                |
| 2.          | Whether all relevant points elicited  |           |                    |              |           |                |
| 3.          | Clarity of presentation   |           |                    |              |           |                |
| 4.          | Logical order   |           |                    |              |           |                |
| 5.          | Mentioned all positive and negative points  |           |                    |              |           |                |
| 6.          | Accuracy of general physical examination  |           |                    |              |           |                |
| 7.          | Diagnosis : Whether it follows logically from history and findings                              |           |                    |              |           |                |
| 8.          | Investigations required:<br>Complete list<br>Relevant order<br>Interpretation of investigations |           |                    |              |           |                |
| 9.          | Ability to react to questioning   |           |                    |              |           |                |
| 10.         | Ability to defend diagnosis   |           |                    |              |           |                |
| 11.         | Ability to justify differential diagnosis   |           |                    |              |           |                |
| 12.         | Others  |           |                    |              |           |                |
| Grand Total |   |           |                    |              |           |                |

**CHECKLIST 5**  
**MODEL CHECK LIST FOR EVALUATION OF TEACHING SKILL**

Name of the Trainee:

Date:

Name of the faculty Observer:

| Sl. No | Items for observation during presentation            | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|--------|--|-----------|--------------------|--------------|-----------|----------------|
| 1.     | Communication of the purpose of the talk             |           |                    |              |           |                |
| 2.     | Evokes audience interest in the subject              |           |                    |              |           |                |
| 3.     | The introduction                                     |           |                    |              |           |                |
| 4.     | The sequence of ideas                                |           |                    |              |           |                |
| 5.     | The use of practical examples and / or illustrations |           |                    |              |           |                |
| 6.     | Speaking style (enjoyable, monotonous, etc. Specify) |           |                    |              |           |                |
| 7.     | Attempts audience participation                      |           |                    |              |           |                |
| 8.     | Summary of the main points at the end                |           |                    |              |           |                |
| 9.     | Asks questions                                       |           |                    |              |           |                |
| 10     | Answers questions asked by the audience              |           |                    |              |           |                |
| 11.    | Rapport of speaker with his audience                 |           |                    |              |           |                |
| 12.    | Effectiveness of the talk                            |           |                    |              |           |                |
| 13.    | Uses AV aids appropriately                           |           |                    |              |           |                |

**CHECKLIST 6**  
**MODEL CHECKLIST FOR DISSERTATION PRESENTATION**

Name of the Trainee:

Date:

Name of the faculty / Observer:

| Sl. No      | Points to be considered                 | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|---|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Interest shown in selecting the topic   |           |                    |              |           |                |
| 2.          | Appropriate review                      |           |                    |              |           |                |
| 3.          | Discussion with guide and other faculty |           |                    |              |           |                |
| 4.          | Quality of protocol                     |           |                    |              |           |                |
| 5.          | Preparation of proforma                 |           |                    |              |           |                |
| Total Score |   |           |                    |              |           |                |

**CHECKLIST 7**  
**CONTINUOUS EVALUATION OF DISSERTATION WORK BY**  
**GUIDE / CO-GUIDE**

Name of the Trainee:

Date:

Name of the Faculty/Observer:

| Sl. No      | Items for observation during presentation   | Poor<br>0 | Below Average<br>1 | Average<br>2 | Good<br>3 | Very Good<br>4 |
|-------------|---|-----------|--------------------|--------------|-----------|----------------|
| 1.          | Periodic consultation with Guide / Co-Guide |           |                    |              |           |                |
| 2.          | Regular collection of case material         |           |                    |              |           |                |
| 3.          | Depth of analysis / Discussion              |           |                    |              |           |                |
| 4.          | Quality of final output                     |           |                    |              |           |                |
| 5.          | Others                                      |           |                    |              |           |                |
| Total Score |   |           |                    |              |           |                |



## CHECKLIST 8 OVERALL ASSESSMENT SHEET

Name of Trainee:

Name of the College:

Date:

| Check List No | Faculty Member | A | B | C | D | E | F | G | H | I | J |
|---------------|----------------|---|---|---|---|---|---|---|---|---|---|
| 1.            |                |   |   |   |   |   |   |   |   |   |   |
| 2.            |                |   |   |   |   |   |   |   |   |   |   |
| 3.            |                |   |   |   |   |   |   |   |   |   |   |
| 4-            |                |   |   |   |   |   |   |   |   |   |   |
| 5.            |                |   |   |   |   |   |   |   |   |   |   |
| 6.            |                |   |   |   |   |   |   |   |   |   |   |
| Total         |                |   |   |   |   |   |   |   |   |   |   |

**Signature of HOD**

**Signature of Dean**

Note: The overall assessment sheet used along with the log book shall form the basis for certifying satisfactory completion of course of study, in addition to the attendance required.

**Key:**

Faculty Member : Name of the faculty doing the assessment

Mean Score : Sum total of all the scores of the check list

A, B, ..... : Name of the trainee

**LOG BOOK - TABLE 1**  
**ACADEMIC ACTIVITIES ATTENDED**

Name :  
Admission Year :  
College :

| Date | Type of activity - Specify Seminar, Journal club, Presentation, UG teaching | Particulars |
|------|---|-------------|
|      |   |             |
|      |   |             |
|      |   |             |
|      |   |             |
|      |   |             |

**LOG BOOK - TABLE 2**  
**ACADEMIC PRESENTATIONS MADE BY THE TRAINEE**

Name :  
Admission Year :  
College :

| Date | Topic | Type of activity - Specify Seminar, Journal club, Presentation, UG teaching |
|------|-------|---|
|      |       |   |
|      |       |   |
|      |       |   |
|      |       |   |
|      |       |   |

**LOG BOOK - TABLE 3**  
**DIAGNOSTIC AND OPERATIVE PROCEDURES PERFORMED**

Name :  
 Admission Year :  
 College :

| Date | Name | OP No. | Procedure | Category<br>O, A, PA, PI |
|------|------|--------|-----------|--------------------------|
|      |      |        |           |                          |
|      |      |        |           |                          |
|      |      |        |           |                          |
|      |      |        |           |                          |
|      |      |        |           |                          |

**Key:**

- O - Washed up and observed - Initial 6 months of admission
- A - Assisted a more senior surgeon – I year MDS
- PA - Performed procedure under the direct supervision of a senior surgeon – II year MDS
- PI - Performed independently – III year MDS