



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**



BDS



**Bachelor Of
Dental Surgery**
II BDS GUIDE BOOK
November 2023 - 2024

Any clarifications / corrections in Guidebook kindly contact II BDS Guide book staff in-charge -

Dr M.Ambika, MDS., PhD.,
Associate Professor,
Dept. of Oral Pathology & Oral Microbiology
Mobile No : **9444365461**



DEAN'S MESSAGE

I congratulate you for having promoted to the second year undergraduate program.

Vinayaka Mission's Sankarachariayar Dental College was started in the year 1986 and has crossed leaps and bounds, to attain the present status. I wish to state that dentistry is an art & science which needs a good sculptor and source.

Our asset is experienced and dedicated staff, good infrastructure and clinical cases, provides an environment for student centric learning in a holistic manner. The skill needed for the art and the knowledge needed for science is delivered by keeping the present generation's need to face the global challenge.

I therefore, assure you that your decision will not go futile and you will not only be a successful dentist but also a good statesman by making our country proud in all endeavors.

Prof. Dr. J. BABY JOHN, M.D.S.,
Dean, VMSDC, Salem .



VINAYAKA MISSION'S SANKARACHARIYAR DENTAL COLLEGE (VMSDC) PROFILE

Vinayaka Mission's Sankarachariyar Dental college, Salem was instituted in the year 1986 as an affiliated institution under the University of Madras and later on affiliated to the Tamilnadu Dr. MGR Medical University, Chennai with courses viz. Bachelor of Dental Surgery (BDS), Master of Dental Surgery (MDS), Diploma in Dental Mechanics and Diploma in Dental Hygienist.

The Vinayaka Mission's Sankarachariyar Dental college later on became the constituent of VINAYAKA MISSION'S RESEARCH FOUNDATION (DEEMED TO BE UNIVERSITY) from 2001. The institution is located on NH 47, Sankari Main Road, Ariyanoor, Salem-636008 in 10.14 acre campus with a build up area of 1,14,149 sq.ft.



**Mrs. ANNAPOORANI SHANMUGASUNDARAM &
Dr. A. SHANMUGASUNDARAM**

The institution has committed to impart quality education to the students from different socioeconomic & Cultural backgrounds. The institution offers Undergraduate programme, 9 Postgraduate programmes, PhD in Dentistry, Diploma courses in Dental Mechanics & Dental Hygienist. The campus has well equipped library with internet facility & Central Research Laboratory for the staff and students.



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**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**



Personal Memoranda

Affix Photo

Name : _____

Registration Number : _____

Father/Mother's Name : _____

Address : _____

Email Id : _____

Mobile No. : _____

Date Of Birth : _____

Blood Group : _____

Year of Admission : _____

Year of Study : _____

Student Academic Coordinator : **Dr. Ambika M**
Mobile No: **94443 65461**

Mentor's Name : _____

Dept. Name & Room. No : _____

Phone No : _____

Other Details if any : _____

NH 47 Sankari Main Road, Ariyanoor, Salem - 636 308. Tamilnadu, India.

Phone : 0427-2477723 E Mail : dean@vmsdc.edu.in



ACADEMIC & ADMINISTRATIVE PROFILE

S. No.	Name	Academic Profile	Mobile No.
1	Dr. J. Baby John	Professor & Dean	9842753645
2	Dr.Reena Rachel John	Professor & Associate Dean (Research & Scientific) Oral & Maxillofacial Surgery	9443118756
3	Dr.R.Saranyan	Professor & HOD Periodontology Associate Dean (Academic Affairs)	9842748071

Dept. No.	Name	Academic Profile	Mobile No.
1	Dr.G.V.Ramachandra Reddy	Professor & HOD Oral Medicine & Radiology	9844065968
2	Dr.R.Saranyan	Professor & HOD Associate Dean (Academic Affairs) Periodontology	9842748071
3	Dr.J.Arunkumar	Professor & HOD Oral & Maxillofacial Surgery	9443273347
4	Dr.R.Ramesh	Professor & HOD Prosthodontics and Crown & Bridge	9443155211
5	Dr.Maya Ramesh	Professor & HOD Oral & Maxillofacial Pathology and Oral Microbiology	9600918804
6	Dr.Veena Arali	Professor & HOD Pediatric & Preventive Dentistry	9535444112
7	Dr.Yadav Chakravarthy	Professor & HOD Conservative Dentistry & Endodontics	8072404507
8	Dr.N.Saravanan	Professor & HOD Public Health Dentistry	9442262950
9	Dr.Prabhakar Krishnan	Professor & HOD Orthodontics & Dentofacial	9843688271

S. No.	Name	Administrative Profile	Mobile No.
1	Mr.R.Natarajan	Administrative Officer	9843044140
2	Mr.I.Sapnath Panea Ray	Academic Officer	9245478556
3	Mr.A.Syed Nizamuddin	Senior Accountant	8825805997
4	Mrs.J.Sudhishna	Senior executive hospital admin	9994619822



HIPPOCRATIC OATH

I do solemnly vow, to that which I value and hold most dear:

That I will honor the Profession of Medicine, be just and generous to its members, and help sustain them in their service to humanity;

That just as I have learned from those who preceded me, so will I instruct those who follow me in the science and the art of medicine;

That I will recognize the limits of my knowledge and pursue lifelong learning to better care for the sick and to prevent illness;

That I will seek the counsel of others when they are more expert so as to fulfill my obligation to those who are entrusted to my care;

That I will not withdraw from my patients in their time of need;

That I will lead my life and practice my art with integrity and honor, using my power wisely;

That whatsoever I shall see or hear of the lives of my patients that is not fitting to be spoken, I will keep in confidence;

That into whatever house I shall enter, it shall be for the good of the sick;

That I will maintain this sacred trust, holding myself far aloof from wrong, from corrupting, from the tempting of others to vice;

That above all else I will serve the highest interests of my patients through the practice of my science and my art;

That I will be an advocate for patients in need and strive for justice in the care of the sick.

I now turn to my calling, promising to preserve its finest traditions, with reward of a long experience in the joy of healing.

I make this vow freely and upon my honor.



HIPPOCRATIC OATH FOR DENTISTRY

I swear to fulfill, to the best of my ability and judgment, this covenant:

- I will respect the hard-won scientific gains of those dental professionals in whose steps I walk, and gladly share such knowledge as is mine with those who are to follow.
- I will apply, for the benefit of the sick, all measures which are required, avoiding those twin traps of overtreatment and therapeutic nihilism.
- I will remember that there is art to dentistry as well as science, and that warmth, sympathy, and understanding may outweigh the surgeon's knife or the chemist's drug.
- I will not be ashamed to say "I know not"; nor will I fail to call in my colleagues when the skills of another are needed for a patient's well being.
- I will respect the privacy of my patients, for their problems are not disclosed to me that the world may know. Most especially must I tread with care in matters of life and death. If it is given me to save a life, all thanks. But it may also be within my power to take a life; this awesome responsibility must be faced with great humility and awareness of my own frailty. Above all, I must not play at God.
- I will remember that I do not treat a fever chart or a cancerous growth, but a sick human being, whose illness may affect the person's family and economic stability. My responsibility includes these related problems, if I am to care adequately for the sick.
- I will prevent disease whenever I can, for prevention is preferable to cure.
- I will remember that I remain a member of society, with special obligations to all my fellow human beings, those sound of mind and body as well as the infirm.
- If I do not violate this oath, may I enjoy life and art, respected while I live and re-remembered with affection thereafter. May I always act so as to preserve the finest traditions of my calling and may I long experience the joy of healing those who seek my help.



VINAYAKA MISSION'S SANKARACHARIYAR DENTAL COLLEGE

VISION & MISSION

OUR MOTTO

Service to humanity is service to God.

VISION

To make dental education and dental health available to the poor and needy in the rural sector

MISSION

To spread knowledge with recent advances and to promote research in the field of dentistry

QUALITY POLICY

To prepare students to have in depth knowledge in both pre-clinical and clinical dentistry and update advances in diagnosis and therapeutics to meet the present dental disease pattern in the society



VMSDC EMBLEM

THE LORD VINAYAKA

Vinayaka is in the centre of the emblem.

He is the God of Health, Wisdom, Education & Prosperity and God for Nirvigna in the various walks of human -life.

The tusks of the elephant are placed on either side of rod of Aesculapius. It represents the symbol of dentistry.

GOD OF MEDICINE

The God of Aesculapius is an ancient symbol associated with astrology, the Greek God Aesculapius and with healing.

It consists of a serpent entwined around a staff. The name of the symbol derives from its early and widespread association with Aesculapius, the son of Apollo, who was a practitioner of medicine in ancient Greek mythology.

GOD OF DENTISTRY

Our Emblem design uses at its centre a twin serpent entwined about an ancient Arabian cautery.

LEAVES

The leaves encircling Lord Vinayaka and God of Aesculapius represents human teeth.

The 20 leaves on the left side represent the deciduous dentition.

The 32 leaves on the right side represent the permanent dentition.



RULES & REGULATIONS FOR CODE OF CONDUCT

1. Dress Code :

All students should wear ID cards issued by college as per the respective year of study. Students should not enter the LAB without Apron. Foot wear must be clean and well polished. Open toe shoes are not allowed. Clothing must be neat & wrinkle free. Jeans, T-Shirts, Leggings & Sleeveless tops are not allowed. Finger nails must be clean & short to allow proper grasp of instruments. Gold ornaments, Bracelets & rings are not allowed. Formal, Trousers and shoes should be worn by the boys. Hair should be trimmed properly and face should be clean shaved or facial hair should be trimmed properly. Girls hair to be pinned and braided properly. Students are strictly advised to adhere to the rules and regulations that will be monitored by the Institutional Code of conduct Monitoring committee and appropriate action will be taken for those who are not complying with the college regulations.

2. Safety Code :

Long hair must be tied and put back for safety measures. Wear face mask in clinical session as & when required. Always work with good ventilation. Do not keep inflammable materials (Spirit, monomer) near open flame. Students should take care of their own instruments and their costlier belongings. Borrowing instruments from others is not allowed. LPG tap should always be kept closed after working in the lab.

3. Cleanliness Code :

Lab must be kept clean. This includes working tables, model trimmers, polishing & furnishing areas. Dental plaster, waxes & other working wastes must be properly discarded in the separate dustbin. They should not be discarded in the sink (Waxes should not be discarded on the floor / Veranda). Before leaving the LAB make sure your working area is clean. Apron should be washed regularly & kept clean.

4. Mobile Phones & Two Wheelers :

The use of Mobile phones is strictly forbidden during the learning hours in lectures, clinical posting and laboratories. In case of emergency, parents / guardians are requested to use college communications. Any student, not abiding by this protocol will face severe disciplinary action. Mobile phones will be allowed in college only for academic purpose with prior approval of staffs. Unwanted download or usage of institutional WiFi is strictly prohibited. If unethical use of mobile phones are found, fine amount will be levied towards " The poor patient fund." Two wheelers are banned and college is not responsible for any eventuality.

5. Ragging (Banned) :

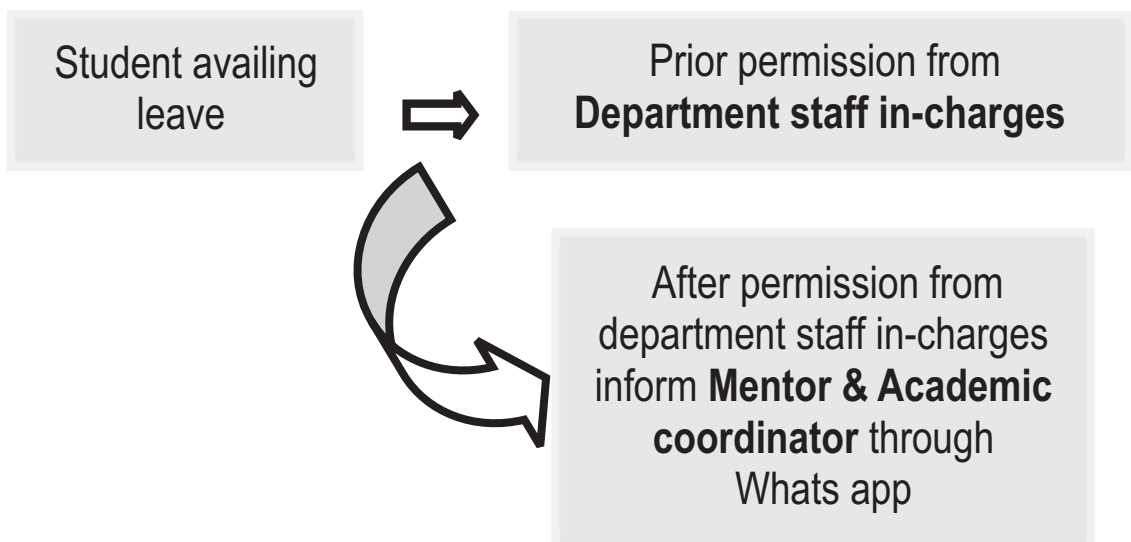
Any student found indulging in ragging or submitting to it, is strictly forbidden inside or outside the college campus. Ragging in any form is a punishable offence and shall warrant severe disciplinary action, by the concerned committee. Any incidence of ragging, should be immediately brought to notice of the Anti Ragging Committee.

6. Any Damage, Misuse Of College Property Shall Warrant Disciplinary Action.

7. Leave application :



- Students availing leave should take prior permission except under medical/emergency reasons.
- Students availing prior leave should first take permission from the respective department staff in-charge of that day timetable .i.e., Clinical posting / Theory / Practical class of all the department which he/she is supposed to attend on that particular day.
- Then after permission from the department staff in-charges, he/she has to inform their mentor and then to their academic coordinator through Whats App as message or photocopy of their leave form approved by respective department staff in-charges



- Students availing leave because of medical reason/emergency has to submit a written leave letter through his/her batch mate or a mail informing of the leave on the same day to their respective department staff in-charge / Dean and forward the screenshot / image / scanned copy of the leave letter to his/her Mentor and Academic coordinator through Whats App.
- In case of medical leave, copy of your medical report should be submitted to respective department at the time of entry after approval from Dean.
- Any leave taken without prior communication will not be considered as leave and marked as absent.



8. Attendance :

A minimum of 75% attendance in theory and 75% in practical/clinical in all subjects in each year is mandatory for appearing in the university examinations. In case of a subject in which there is no examination at the end of the academic year/semester, the percentage of attendance shall not be less than 70%. The work quota of that subject has to be completed before entering into the subsequent year. However, at the time of appearing for the professional examination in the subject, the aggregate percentage of attendance in the subject should satisfy above condition. A quarterly report of each student will be noted, from the departments & parents / guardians, duly intimated. Candidates who are found to be irregular & held for any misconduct shall not be permitted to appear for university examinations.

9. Lost record books

In case of lost record books it has to be duly approved & attested by the concerned Head of the department and Head of the Institution for duplication of records.

10. Term Fees:

Students are strictly advised to pay their prescribed fee on the stipulated date without fail.

11. Grievances:

Any grievances can be brought to the notice of the Students Grievance Redressal Committee. For further details of Grievance Redressal Committee see link:

<https://www.vinayakamission.com/Grievance-Redressal.php>

12. Confidential Suggestion Box :

The suggestions / complaints / feedback can be deposited in the form of a written letter / email addressed to the Dean. The suggestion box is placed in first floor near Dean's office. The box will only be accessed by the Dean.

Dean Mail ID : **dean@vmsdc.edu.in**

13. Social Media Policy:

The VMSDC Social Media policy applies to all employees and students of the college. Comments and posts damaging the welfare of the institution will be taken up seriously by the concerned authorities. Therefore avoid the misuse of social media and any issues can be discussed directly with the Head of the Institution or by using the suggestion box or online feedback, that is being practiced for the betterment for the institution.

Kindly refer **https://vmrfdu.edu.in/code_of_conduct.php** for the Rules & Regulations for the code of conduct for Vinayaka Mission's Sankarachariyar Dental College - Students of Vinayaka Mission's Research Foundation – Deemed to be University (VMRF-DU)



FACILITIES

VMSDC has good infrastructure with a total of 9 specialities & comprehensive dental clinic fulfilling the basic requirements of the council. It also has a central research laboratory including immunohistochemistry, chrom cobalt lab, ceramic lab, hematology lab & histopathology lab. All of them are well equipped & have trained technicians. For students to get training before entering clinicals we have a separate pre-clinical prosthodontics & pre-clinical conservative lab where they can improve their hand skills before treating the patients.

For basic sciences & medical science subjects in I, II & III year, students have to attend both theory & practical classes (as per the time table provided) in Vinayaka Mission's Kirupanandavariyar Medical college & hospital. Bus transportation will be provided by the college on those days as per the scheduled time.

LIBRARY :

University has a central integrated online library (www.vmrfreread.com). Multidisciplinary access to engineering, medical and paramedical contents which enhances entrepreneurship, innovation and research.

The central library is spread over 9303sq.ft. The Library was well equipped with the latest books and journals. The library has 7977 books, 13 National & 11 International journals, 1251 E-Books & 700 E-journals. Our institution is registered in National Digital Library.

Central Library is using Koha software for Library automation and has implemented RFID technology, with OPAC (Online Public Access Catalogue), and online renewal facility. Biometric based E-Gate Register used in the library. Books circulation is managed by Biometric and RFID Technology by staff and students. All the books are tagged with RFID & the RFID scanners are used for books transaction. Digital library section is available for students to use computers with internet facility and fire wall protection.

Library is accommodated in two floors. In the ground floor, sections available for Book Circulation, Basic science books, rare books, books for Higher Education, Magazines, and Dissertations are made available. In the First Floor Journals, Back volume Journals, Clinical science books, and Reference books are available with Digital Library section and Discussion area.

Library Hours : 8.30 am to 6.00 pm

Services:

- Biometric E- Gate Register.
- Biometric Based circulation (Issue, Return and Renewal).
- Digital Library
- Computing Facility
- Wi-fi Facility
- Question Bank
- OPAC
- Reprography Service

Best Practices:

- Best Library user Awards for Students.
- Library Orientation Program
- National Librarian Day celebration
- New Arrivals Display
- Reminders for Overdue books (E-mail alerts)



Rules & Regulations:

- Personal belongings are not permitted inside the libraries; Users must keep their belongings at the property counter in the Entrance.
- Enter your finger print in the biometric register kept at the entrance before entering and leaving the library.
- Mobile phones and other devices should be in silent mode.
- Library books should be handled with utmost care. Marking or any kind of scribbling on pages or folding of page is strictly prohibited.
- In case of loss of any book, the borrower has to replace the same Edition of the book.
- Reference books, journals, back volumes, Thesis will not be issued to any users.
- Laptops may be used inside the libraries (without any audio).
- Users are allowed to take photocopies of the required articles in the reprography section.
- Photocopying of full – book is not permitted due to copyright issues.
- While accessing the E-resources of the library, proper entries are to be made in the records of the Library. Downloading the information is also permitted.

Useful Links:

E-Journals: <https://dvlidental.com/>

E-Books : <https://dental-library.com>

NDLI: <https://ndl.iitkgp.ac.in/>

SPORTS & CULTURALS:

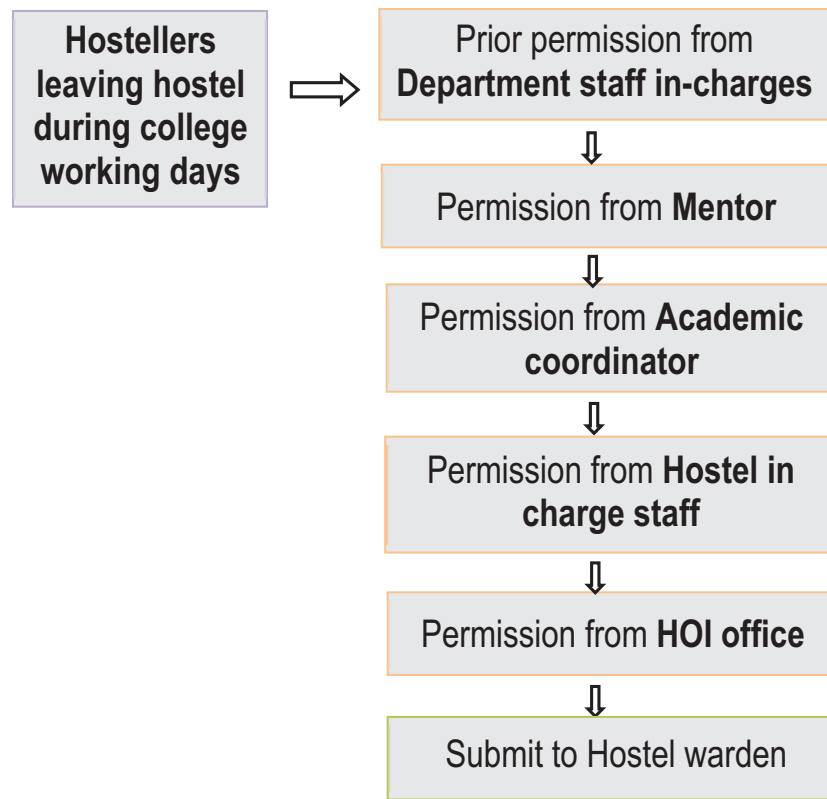
Our college is having an excellent indoor and outdoor sports facilities. A well qualified physical trainer is available full time to train the students in the evenings. We encourage our students to participate in the sports and cultural shows without affecting their academic activities.

HOSTEL

A furnished and dedicated hostel separately for boys and girls is available for first year medical and dental students. Gym facility available in Girls hostel. A separate hostel is available for those students who wish to continue the hostel facility from their second year till internship. Details pertaining to hostel and associated facilities parents can approach the hostel warden.

Rules & Regulations

- **Hostel Timing :** Students should report back to Hostel before 8.00 pm
- Hostellers leaving the hostel should take prior permission from department staff in-charges, Mentor, Academic coordinator, Hostel incharge staff, he/she has to get final approval from the HOI office. This leave form with above said faculty signatures needs to be submitted to the warden before leaving the hostel.



- Hostellers leaving the hostel for emergency reasons after college hours should ask their parent to get permission from the hostel warden either in person or by phone along with permission letter for college leave mentioning the days and also to leave the hostel, which can be sent by mail to the Hostel warden, Hostel in-charge staff and the Head of the Institution. The same mail communication copy has to be forwarded by the student or his/her friend to the respective Department staff in-charges, Mentor and the Academic coordinator by Whats App/Mail/hardcopy.
- Students who are staying outside the hostel as well day scholars have to submit a No objection letter from their parent stating that the parents are responsible for the overall welfare of their wards and for problems arising outside the college premises.
- Students who wish to live in hostel under any circumstances for overnight stay should get prior permission from respective year academic coordinator & Dean and the permission letter to be submitted to the warden.



EXAMINATION SCHEME

The VMRF DU Examinations shall be held at the end of every Academic year in the month of August and February. Results can be viewed at: www.vinayakmissions.com.

Any student who does not clear the BDS Course in all the subjects within a period of 9 years, including one year Compulsory Rotatory paid Internship from the date of admission shall be discharged from the course. (REVISED BDS DEGREE COURSE (7 AMENDMENT) REGULATIONS 2015)

Rules of examination:

Students are eligible to appear for university exams only if they have 75% of attendance in both theory & Practical and should have completed their preclinical / Clinical record work & Quota to be fulfilled for that year.

Students have to mandatorily appear for all class test & Internal examinations. Both Theory & Practical Internal examinations will be conducted minimum 3 per year including 1 model examination conducted prior to study holidays. If the student is unable to write the examinations then the re-examinations shall be conducted based on the recommendations of HOD & HOI.

An aggregate of three internal examinations will be calculated separately for Theory & Practicals and will be provided as Theory & Practical Internal Marks for Final University Examinations.

Marks obtained for viva voce (for 20 marks) conducted during the university practical examination will be added to their University Theory marks. The written examination in each subject consist of one paper of three hours duration and have maximum marks of 70 including 20 marks of multiple choice questions.

A student (passed/failed) who appeared in an Examination is eligible for retotaling on payment of prescribed fee.

A student who has failed in practical Examination is not eligible to apply for retotaling.

PASS CRITERIA:

Fifty percent of the total marks in any subject computed as aggregate for Theory i.e. written, viva voce and internal assessment and Practicals including internal assessment, separately is essential for a pass in all years of study. For declaration of pass in a subject, candidate should secure 50% marks in the university examination both in Theory and Practical / Clinical examination separately, as stipulated below.

A candidate should secure 50% in aggregate in university Theory including viva voce and internal assessment obtained in University written Examination combined together.

In the University Practical / Clinical examination, a candidate should secure 50% of University practical marks and internal assessment combined together.

BREAK STUDENTS :

Students failing in more than two subjects (except Environmental studies) will be considered as break in the course of 6 months duration and should attend the theory / practicals / internal assessment without fail. Deficiency in attendance will debar the students from attending the subsequent examinations.

CARRY OVER STUDENTS :

Failing in one subject will be considered to have carry over subject and should clear the paper in Subsequent examination before appearing for the next year exam.

The carry-over students should appear for the internal assessment examination as & when instructed by that department.



GENERAL RULES OF EXAMINATION

1. Hall tickets for exams will be issued only upon producing the No Objection Certificate [NOC] from both academic & administration section.
2. Candidates will be allowed inside the examination hall fifteen minutes before the commencement of examination only. No candidate will be allowed to enter the hall after ½ hour of commencement of the examination.
3. Candidates should bring the identification card and hall ticket during university examination.
4. Candidates are not allowed to leave the examination hall until 2.30 hrs has elapsed from the commencement of the examination. Thereafter, the candidate will only be permitted to leave after submission of answer booklet.
5. Candidates are not allowed to bring along book or other written or printed material or blank papers or information in any form into the examination hall.
6. Students should wear clothes with half sleeves as long sleeves are not permitted. Hair should be tied properly .
7. Electronic pens & watches are not allowed.
8. All bags and books must be kept in a quarantine area.
9. Mobile phones and electronic devices must be switched off and handed over to the invigilator at the beginning of the examination. If found with any device, action will be taken based on the guidelines of university.
10. Only blue/black ball point pen and graphite pencils are allowed.
11. No pencil pouches permitted into examination halls for theory.
12. No colouring or highlighting or using correction ink/ liquid paper in the answer scripts.
13. Histopathological/microscopic picture to be drawn using Hematoxylin & Eosin (H & E) pencils only.
14. No writing on the question paper.
15. Multiple choice questions (MCQ) must be answered separately in answer sheet provided for MCQ's. Any correction done in the answer must be signed by the invigilator.
16. Candidates found copying or communicating with one another will be handed over to the Chief Superintendant for further action to be taken.
17. Candidates are not allowed to continue writing or add anything to the answer booklet after the invigilator has announced the end of the examination.

VMSSDC follows a strict student code of conduct for examination, any form of fraud/ copying/infringement of examination rules may lead to severe disciplinary action amounting to cancellation of the candidature in all subjects for university examination and/or disqualification from the degree program.



METHOD OF INTERNAL ASSESSMENT

Method Of Assessments	Details	Marks with Percentage
1. Formative assessment	<i>Minimum of two (2) unit test & 2 competency / clinical test should be conducted</i>	<i>No marks (Only Remarks) Provides Only feedback for improvement</i>
2. Internal assessment	<i>Theory internal - 10marks Practical internal –10 marks</i>	<i>20 (10%)</i>
3. Summative assessment	<i>Theory :</i>	<i>90 (45%)</i>
a) Professional examination	<input type="checkbox"/> <i>MCQ'S -20 marks</i> <input type="checkbox"/> <i>SAQ'S -30 marks</i> <input type="checkbox"/> <i>LAQ'S -20 marks</i> <i>Viva voce - 20 marks</i>	
<i>Clinical /Practical</i>		<i>90 (45%)</i>
Total marks		200

<i>Continuous (Internal) assessment (Total Marks -20) Theory internal -10 mark's distribution</i>		
Criteria	Details	Marks
Exam	<ul style="list-style-type: none"> • <i>2 terminal test & 1 Model exam (Average of 3 will be considered & more weightage for model exam marks)</i> 	<i>10</i>
Practical internal -10 marks distribution		
Clinical /Practical skills	<ul style="list-style-type: none"> • <i>Average of Three (3) Practical /Clinical Assessment test.</i> <p><i>While assessing clinical skills, the following parameters of soft skill should be considered. (Weightage of each parameter based on the individual dept. preference.)</i></p>	<i>10 marks</i>
	<ul style="list-style-type: none"> • <i>Communication skills</i> • <i>Critical thinking & problem solving skills</i> • <i>Team work</i> • <i>Lifelong learning & information management</i> • <i>Professional ethics & moral</i> • <i>Leadership skills</i> 	

a) Formative Assessment

- ⌘ *Mainly to improve the educational methods & student feedback throughout the teaching & learning process.*

b) Summative Assessment

- ⌘ *Typically used to evaluate the effectiveness of Educational Programs and services at the end of an academic year or at a pre - determined time.*
- ⌘ *Summative internal assessments will be complemented by formative assessments and shall consist of such written, clinical, practical (laboratory) and oral assessments, either singly or as part of a group, as the Faculty requires.*



ANTI - RAGGING

Ragging constitutes one or more of any of the following acts:

- a. any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- b. indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- c. asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- d. any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- e. exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f. any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- g. any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h. any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student ;
- i. any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.
- j. Any act of physical or mental abuse (including bullying and exclusion) targeted at another student (fresher or otherwise) on the ground of colour, race, religion, caste, ethnicity, gender (including transgender), sexual orientation, appearance, nationality, regional origins, linguistic identity, place of birth, place of residence or economic background.



ANTI - RAGGING

Ragging in any form is banned inside and outside the college premises.



Download
ANTI RAGGING
App

What is Ragging? Any Act Resulting in:

- Mental/physical/sexual Abuse
- Verbal Abuse
- Indecent Behaviour
- Criminal Intimidation/wrongful Restraint
- Undermining Human Dignity
- Financial Exploitation/extortion
- Use Of Force

A STUDENT INDULGING IN RAGGING CAN BE:

- Cancellation of admission.
- Suspension from attending classes.
- Withholding/withdrawing Scholarship/Fellowship and other benefits.
- Debarring from appearing in any test/ examination or other evaluation process.
- Withholding results.
- Debarring from representing the institution in any regional, national or international meet, tournament or youth festival etc.
- Collective punishment : when the persons committing or abetting the crime of ragging are not identified the institution shall resort to collective punishment as a deterrent to ensure community pressure on potential ragger.



Immediately call
UGC Anti-Ragging Helpline
1800-180-5522 (24X7 toll free)
or send an e-mail to helpline@antiragging.in



MHRD

DEPARTMENT OF HIGHER EDUCATION
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
GOVERNMENT OF INDIA



विश्वविद्यालय अनुदान आयोग
University Grants Commission
quality higher education for all



ANTI - RAGGING COMMITTEE

Name	Designation	Department	Mobile No.
Dr. S. Sunantha	Coordinator & Record Keeper	Prosthodontics and Crown & Bridge	9994066144
Dr. N. Sarvanan	Member	Public Health Dentistry	9442262950
Dr. Saramma Mathew Fenn	Member	Oral Medicine & Radiology	8754569193
Dr. S. Ashna	Member	Prosthodontics and Crown & Bridge	9843693385
Dr. C. Suresh	Member	Oral & Maxillofacial Surgery	9487630871
Mrs. Janani Vallavan	Parent Member		9442417373
Mr. K.Varun Raja	Parent Member		6379991553
Mr.Saranrakav	Student Member		7708681577
Ms.Sampreetha.K	Student Member		6385725788
Mr. N. Vijayasarithi	Student Member		8973689276
Ms. S.P. Kamali	Student Member		8072124825
Mr. A.K. Vardharajan	Non-Teaching Staff Member		9787388309
Mr. Sapnath Panea Ray	Non-Teaching Staff Member		9245478556
Mr. Xavier	Media Member		9952430038
Mr. V. Ravindran	Member		9498100946
Mr. Murugesan	Inspector of Police		9994211003
Mr. T. Prem Amritharaj	Legal Advisor		9443288688
Prof. S. Selvam	NGO Representative		9362847666



ANTI-RAGGING SQUAD

Name	Designation	Department	Mobile No.
Dr M Assmee	Member	Conservative Dentistry and Endodontics	9789146075
Dr D V Bhuvanesh Kumar	Member	Prosthodontics and Crown & Bridge	9944422297
Dr M Subhashini	Member	Conservative Dentistry and Endodontics	9994392006
Dr Mohammed Adhil	Member	Periodontology	7010374054
Dr. Shanthi	Member	Prosthodontics and Crown & Bridge	9384215228
Dr Saradha	Member	Periodontology	9494046417
Dr Pavithran	Member	Oral & Maxillofacial Surgery	8667720806
Mr R Natarajan	Member		9843044140
Mr E Prabhu	Member		9677410412
Mr S Rajendran	Member		8883078595
Mr R Chandaran	Member		9360676466
Mr Ravi	Member		9500597046

- Students can contact any member of the squad in case of emergency.

Highly confidential :-The Complainant will be protected at any cost



KIND ATTENTION TO STUDENTS

BEWARE OF RAGGING

A Student indulging in Ragging can be **PUNISHED** by:

- **CANCELLATION OF ADMISSION.**
- Suspension from attending classes.
- Withholding / withdrawing Scholarship / Fellowship & other benefits.
- **DEBARRING** from appearing in any test / examination or other evaluation process.
- Withholding results.
- Debarring from representing the institution in any Regional, National or International meet, tournament or Youth festival etc.,
- **COLLECTIVE PUNISHMENT:** When the persons committing or abetting the crime of ragging are not identified the Institution shall resort to collective punishment as a deterrent to ensure community pressure on potential ragger.



CODE OF CONDUCT MONITORING COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J.Baby John	Chairperson	Professor & Dean	9842753645
Dr. Yadav Chakravarthy	Convener – Boys	Conservative Dentistry & Endodontics	8072404507
Dr. Bindu Kamaraj	Convener – Girls	Prosthodontics and Crown & Bridge	9176777876

ANTI RAGGING COMMITTEE (Details in Pg. No. 16,17)

Dr. S. Sunantha	Coordinator & Record Keeper	Prosthodontics and Crown & Bridge	9994066144
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GRIEVANCE REDRESSAL CELL

Dr. Bindu Kamaraj	Coordinator & Record Keeper	Prosthodontics and Crown & Bridge	9176777876
Dr. R. Saranyan	Member	Periodontology	9942093071
Dr. J. Arunkumar	Member	Oral & Maxillofacial Surgery	9443273347
Dr. G. Sowndarya	Member	Paediatric & Preventive Dentistry	9994506721
Miss. Mahmudha Rila. M	Student Member		9361473112

INTERNAL COMPLAINTS CELL (Sexual Harassment)

Dr. Vyapaka Pallavi	Presiding Officer	Conservative Dentistry & Endodontics	9655465438
Dr. A. Pavithran	Member	Oral & Maxillofacial Surgery	8667720806
Dr. Shantham Krishnamoorthy	Member	Paediatric & Preventive Dentistry	9790228237
Mrs. J. Sudhishna	Member		9994619822
Miss. P. Parimala Jothi	Member		6381770025
Mr. Prem Amirtharaj	External Member		9443288688
Miss. Logeshwari	Student Member		9344574264
Miss. Christeena Benny	Student Member		8281939562
Mr. Vijayasarithi	Student Member		8973689276



CLASS MONITORING & FEEDBACK CELL

Name	Designation	Department	Mobile No.
Dr. Saramma Mathew Fenn	Coordinator & Record Keeper	Oral Medicine & Radiology	8754569193
Dr. T. Mercy Vinolia	Member	Paediatric & Preventive Dentistry	9003625744
Dr. A. Aarthee	Member	Oral & Maxillofacial Surgery	7598171088
Dr.M.Prarthana	Member	Public Health Dentistry	9843704844

MENTOR COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. Vyapaka Pallavi	Coordinator & Record Keeper	Conservative Dentistry & Endodontics	9655465438
Dr. Vanitha D Revankar	PG Mentor	Conservative Dentistry & Endodontics	8122092727
Dr. Diana Prem	CRRM Mentor	Oral Pathology and Oral Microbiology	9443708899
Dr. Anitha A	Final Year Mentor	Periodontology	6379448862
Dr. Madhushree	Third Year Mentor	Periodontology	9483544607
Dr. Ambika M	Second Year Mentor	Oral Pathology and Oral Microbiology	9444365461
Dr Ashna	First Year Mentor	Prosthodontics and Crown & Bridge	9843693385



LIBRARY ADVISORY COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. M. Ambika	Coordinator & Record Keeper	Oral Pathology and Oral Microbiology	9444365461
Dr C Suresh	Representative	Oral & Maxillofacial Surgery	9487630871
Dr. A Kumar	Representative	Oral Medicine & Radiology	9787144666
Dr. Anjali Reji	Representative	Public Health Dentistry	9886306084
Dr. M. Assmee	Representative	Conservative Dentistry and Endodontics	9789146075
Dr. R. Pradeep Daniel Gainneos	Representative	Paediatric & Preventive Dentistry	9952723311
Dr. Mohamed Adhil	Representative	Periodontology	7010374054
Dr .Kasarla Himaja	Representative	Prosthodontics and Crown & Bridge	9959031504
Dr. A. Udhayan	Representative	Orthodontics & Dentofacial Orthopaedics	9865224533
Dr. Ramya C.V	Student UG Member		9597438668
Dr. Nandhinidevi. G	Student PG Member		8072231886
Mrs. Kokila	Librarian		9944718094



INSTITUTIONAL RESEARCH COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairman	Professor & Dean	9842753645
Dr. Reena Rachel John	Convener	Associate Dean - Research	9443118756
Dr. Mathew Jacob	Coordinator & Record Keeper	Oral Pathology and Oral Microbiology	8754569194
Dr. R. Saranyan	Member	Periodontology	9942093071
Dr. G.V.Ramachandra Reddy	Member	Oral Medicine and Radiology	9844065968
Dr. J. Arunkumar	Member	Oral & Maxillofacial Surgery	9443273347
Dr. Yadav Chakravarthy	Member	Conservative Dentistry and Endodontics	9488156929
Dr. Prabhakar Krishnan	Member	Orthodontics and Dentofacial Orthopedics	9843688271
Dr. Veena Arali	Member	Paediatric & Preventive Dentistry	7760748787
Dr. R. Ramesh	Member	Prosthodontics and Crown & Bridge	9443155211
Dr. N. Saravanan	Member	Public Health Dentistry	9442262950
Dr. Maya Ramesh	Member	Oral Pathology and Oral Microbiology	9600918804

NATIONAL SERVICE SCHEME CELL AND RED RIBBON COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. C. Bharath	Coordinator (NSS)	Public Health Dentistry	8946035788
Dr. A. Pavithran	Member	Oral & Maxillofacial Surgery	8667720806
Dr. Dhanalakshmi	Member	Prosthodontics and Crown & Bridge	9791944160
Dr. S. Karthikraja	Member	Orthodontics and Dentofacial Orthopedics	7708535296
Dr. B. S. Nandhini	Member	Paediatric & Preventive Dentistry	9677750616



STUDENT SUPPORT COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. D. Jayachandran	STUDENTS' COUNCIL - Faculty Advisor	Periodontology	7708225522
Dr. G.V. Ajith	FINE ARTS CLUB – Faculty Advisor	Orthodontics and Dentofacial Orthopedics	8098585233
Dr. S. Karthikraja	SPORTS CLUB – Faculty Advisor	Orthodontics and Dentofacial Orthopedics	7708535296
Dr. G.V. Ajith	College Magazine – Faculty Advisor	Orthodontics and Dentofacial Orthopedics	8098585233
Dr. Kasarla Himaja	Member	Prosthodontics and Crown & Bridge	9959031509
Dr. T. Mercy Vinolia	Member	Paediatric & Preventive Dentistry	7829275353
Dr. P. I. Nainan	Member	Oral & Maxillofacial Surgery	9500235245
Dr. Mohamed Adhil	Member	Periodontology	7010374054
Mr. S. Rajendran	Physical Education Teacher		8883078595

VMSDC MEDIA COMMITTEE

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. A. Narendran	Web upgradation in charge	Oral & Maxillofacial Surgery	9940748600
Dr. Maya Ramesh	Social media update in charge	Oral Pathology and Oral Microbiology	9600918804
Dr. Anjali Reji	Social media upgradation	Public Health Department	98863 06084
Dr. Jansiya	News Letter – Editor	Paediatric & Preventive Dentistry	72044 52836



COLLEGE ALUMNI CELL

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr . K .Priya	Secretary	Periodontology	9994359290
Dr. Maya Ramesh	Vice President	Oral Pathology and Oral Microbiology	9600918804
Dr. Sabitha Gokul Raj	Treasurer	Oral medicine and radiology	9150299824
Dr. Diana Prem	Member	Oral Pathology and Oral Microbiology	9443708899
Dr. A. Narendran	Member	Oral & Maxillofacial Surgery	9940748600
Dr. Saramma Mathew Fenn	Member	Oral medicine and radiology	8754569193
Dr. S. Arun	Member	Conservative Dentistry and Endodontics	8098856702
Dr. V. Vignesh	Member	Prosthodontics and Crown & Bridge	9566632828
Dr. A. Anitha	Member	Periodontology	6379448862
Dr. R. Pradeep Daniel Gainneos	Member	Paediatric & Preventive Dentistry	9952723311

TRAINING AND PLACEMENT CELL

Name	Designation	Department	Mobile No.
Dr. J. Baby John	Chairperson	Professor & Dean	9842753645
Dr. Diana Prem	Cell Coordinator & Record Keeper	Oral Pathology and Oral Microbiology	9443708899
Dr.Vignesh V	Member	Prosthodontics and Crown & Bridge	9566632828
Dr. Mohamed Adhil	Member	Periodontology	7010374054
Dr.Reethika Rathan R T	Member	Oral Medicine & Radiology	9597819168
Dr.Madhushree	Member	Periodontology	9740575508
Dr A Sudha	Member	Dean Secretary	9150097221



TENTATIVE ACADEMIC CALENDAR FOR II BDS

(NOVEMBER 2023 - 2024)

Date	Day	Events
20/11/2023	Wednesday	II-year Induction
23/12/2023	Saturday	Winter Vacation for II BDS2023-24 Batch
25/12/2023	Monday	Christmas - Holiday
01/01/2024	Monday	1.New year - Holiday 2. Winter vacation for II BDS 2023-2024 ends
05/01/2024	Friday	PBL for II year BDS 2023-2024 batch - Session I
13/01/2024	Saturday	Second Saturday - Holiday
14/01/2024	Sunday	Holiday / Study Holidays for II BDS 2023-2024 batch starts
15/01/2024	Monday	Pongal Holiday
16/01/2024	Tuesday	Thiruvalluvar Day - Holiday
17/01/2024	Wednesday	Uzhavar Thirunal - Holiday
26/01/2024	Friday	Republic day - Holiday, Republic Day celebration - Student's Council & NSS unit
31/01/2024	Wednesday	PBL for II-year BDS 2023-2024 batch - Session II
01/03/2024	Wednesday	Ist Internal Assessment for IInd Year B.D.S 2023-24 Batch commences
06/03/2024	Friday	Ist Internal Assessment for IInd Year B.D.S 2023-24 Batch ends
29/03/2024	Friday	Good Friday - Holiday
10/04/2024	Wednesday	Ramzan - Holiday
13/04/2024	Saturday	Second Saturday - Holiday
14/04/2024	Sunday	Tamil New year / Dr.B.R.Ambedkar - Holiday



22/04/2024	Monday	Earth day - EVS club
01/05/2024	Wednesday	May day - Holiday
17/05/2024	Friday	Endangered Species Day - EVS Club
19/05/2024	Sunday	Holiday / Summer Vacation for II BDS 2023 - 2024 batch starts
31/05/2024	Sunday	Holiday / Summer Vacation for II BDS 2023 - 2024 batch ends
01/06/2024	Saturday	Student Council & Fine arts Club meeting
05/06/2024	Wednesday	IInd Internal Assessment for IInd Year B.D.S 2023-24 Batch commences
07/06/2024	Friday	IInd Internal Assessment for IInd Year B.D.S 2023-24 Batch ends
14/06/2024	Friday	College Cultural
17/06/2024	Monday	Bakrid Holiday
15/08/2024	Thursday	Independence Day- Holiday
05/09/2024	Monday	Model exam for IInd Year B.D.S 2023-24 Batch commences
12/09/2024	Wednesday	Model exam for IInd Year B.D.S 2023-24 Batch ends
07/09/2024	Saturday	Ganesh Chaturthi- Holiday
17/10/2024	Tuesday	Onam Celebration
02/10/2024	Wednesday	Gandhi Jayanti – Holiday
22/10/2024	Tuesday	Last working day
23/10/2024	Wednesday	Study holiday commences
03/11/2024	Sunday	Study holiday ends
04/11/2024	Monday	VMRF University Theory Exam for II Year BDS 2023- 2024 Batch commences
08/11/2024	Friday	VMRF University Theory Exam for II Year BDS 2023- 2024 Batch ends
11/11/2024	Monday	VMRF University Practical Exam for II Year BDS 2023- 2024 Batch commences
16/11/2024	Saturday	VMRF University Practical Exam for II Year BDS 2023- 2024 Batch ends

* Second and Fourth Saturdays will be Holiday

* Note : Practical Examinations will commence within a week after completion of theory Examination



TENTATIVE EXAMINATION SCHEDULE (SECOND YEAR B.D.S AUGUST 2023 – 2024 BATCH)

SUBJECT	I INTERNAL EXAMINATION	II INTERNAL EXAMINATION	MODEL EXAMINATION	UNIVERSITY THEORY EXAMINATION
General pathology and Microbiology	01.03.2024	05.06.2024	05.09.2024	04.11.2024
Pharmacology	02.03.2024	06.06.2024	11.09.2024	06.11.2024
Dental Materials	06.03.2024	07.06.2024	12.09.2024	08.11.2024

* Practical / clinical examinations will commence within a week after completion of theory examinations



BDS CURRICULUM

BDS Curriculum is available in VMSSDC website and is subject to change from time to time based on council norms.

SUBJECTS OF STUDY

FIRST YEAR

- i) General Human Anatomy including Embryology and Histology
- ii) General Human Physiology and Biochemistry, Nutrition and Dietetics
- iii) Dental Anatomy, Embryology and Oral Histology
- iv) Dental Materials
- v) Pre-clinical Prosthodontics and Crown & Bridge

SECOND YEAR

- i) General Pathology and Microbiology
- ii) General and Dental Pharmacology and Therapeutics
- iii) Dental Materials
- iv) Pre clinical Conservative Dentistry
- v) Pre clinical Prosthodontics and Crown & Bridge
- vi) Oral Pathology & Oral Microbiology

THIRD YEAR

- i) General Medicine
- ii) General Surgery
- iii) Oral Pathology and Oral Microbiology
- iv) Conservative Dentistry and Endodontics
- v) Oral & Maxillofacial Surgery
- vi) Oral Medicine and Radiology
- vii) Orthodontics & Dentofacial Orthopaedics
- viii) Paediatric & Preventive Dentistry
- ix) Periodontology
- x) Prosthodontics and Crown & Bridge

FOURTH YEAR

- i) Orthodontics & dentofacial orthopaedics
- ii) Oral Medicine & Radiology
- iii) Paediatric & Preventive Dentistry
- iv) Periodontology
- v) Oral & Maxillofacial Surgery
- vi) Prosthodontics and Crown & Bridge
- vii) Conservative Dentistry and Endodontics
- viii) Public Health Dentistry

COMPULSORY ROTATING PAID INTERNSHIP (CRI)

A pass in all the eight subjects is mandatory for completion of the 4th BDS Course before undergoing internship programme. The internship shall be compulsory and rotating as per the DCI norms. Twelve days of casual leave can be availed with prior intimation. Any absentism without informing will lead to disciplinary action. The degree- BDS shall be granted after completion of internship.



II YEAR SUBJECTS

S.No.	SUBJECT	MARKS	
		THEORY	PRACTICAL
1	General Pathology & General Microbiology	100	100
2	General & Dental Pharmacology And Therapeutics	100	100
3	Dental Materials	100	100
4	Pre-clinical Conservative Dentistry	No Theory	100
5	Pre-clinical Prosthodontics	No Theory	100
6	Oral Pathology & Oral Microbiology*		

* University Exam will be conducted at the end of III BDS

Theory & Practical Mark Distribution for all Subjects * :

Theory - 100 Mark	Practicals / Clinicals - 100 Mark
University written exam 70	University exam 90
Viva voce 20	Internal assessment 10
Internal assessment 10	Total - 100
Total - 100	

* Pre-Clinical Prosthodontics & Conservative Dentistry

Practical	Marks	No Theory
University Practical exam	60	
Viva Voce	20	
Internal assessment	20	
Total -	100	



GENERAL PATHOLOGY & GENERAL MICROBIOLOGY

Section - A : GENERAL PATHOLOGY

Aim:

At the end of the course the student should be competent to:

Apply the scientific study of disease processes, which result in morphological and functional alterations in cells, tissues and organs to the study of pathology and the practice of dentistry.

Objectives:

Enabling the student

1. To demonstrate and apply basic facts, concepts and theories in the field of Pathology.
2. To recognize and analyze pathological changes at macroscopically and microscopical levels and explain their observations in terms of disease processes.
3. To Integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology.
4. To demonstrate understanding of the capabilities and limitations of morphological Pathology in its contribution to medicine, dentistry and biological research.
5. To demonstrate ability to consult resource materials outside lectures, laboratory and tutorial classes.

COURSE CONTENT

A. General Pathology-

1. Introduction to Pathology
 - Terminologies
 - The cell in health
 - The normal cell structure
 - The cellular functions
2. Etiology and Pathogenesis of Disease
 - Cell Injury
 - Types - Congenital
 - Acquired
 - Mainly Acquired causes of disease
(Hypoxic injury, chemical injury, physical injury, immunological injury)
3. Degenerations
 - Amyloidosis



- Fatty change
- Cloudy swelling
- Hyaline change, mucoid degeneration
- 4. Cell death & Necrosis
 - Apoptosis
 - Def, causes, features and types of necrosis
 - Gangrene - Dry, wet, gas
 - Pathological Calcifications (Dystrophic and metastatic)
- 5. Inflammation
 - Definition, causes types, and features
 - Acute inflammation
 - a. The vascular response
 - b. The cellular response
 - c. Chemical mediators
 - d. The inflammatory cells
 - e. Fate
 - Chronic inflammation
 - Granulomatous inflammation
- 6. Healing
 - Regeneration
 - Repair
 - a. Mechanisms
 - b. Healing by primary intention
 - c. Healing by secondary intention
 - d. Fracture healing
 - e. Factors influencing healing process
 - f. Complications
- 7. Tuberculosis
 - Epidemiology
 - Pathogenesis (Formation of tubercle)
 - Pathological features of Primary and secondary TB
 - Complications and Fate
- 8. Syphilis
 - Epidemiology
 - Types and stages of syphilis
 - Pathological features
 - Diagnostic criterias
 - Oral lesions
- 9. Typhoid
 - Epidemiology



- Pathogenesis - Pathological features
- Diagnostic criterias
- 10. Thrombosis
 - Definition, Pathophysiology
 - Formation, complications & Fate of a thrombus
- 11. Embolism
 - Definition
 - Types
 - Effects
- 12. Ischaemia and Infarction
 - Definition, etiology, types
 - Infarction of various organs
- 13. Derangements of body fluids
 - Oedema pathogenesis
 - Different types
- 14. Disorders of circulation
 - Hyperaemia
 - Shock
- 15. Nutritional Disorders
 - Common Vitamin Deficiencies
- 16. Immunological mechanisms in disease
 - Humoral & cellular immunity
 - Hypersensitivity & autommunity
- 17. AIDS
- 18. Hypertension
 - Definition, classification
 - Pathophysiology
 - Effects in various organs
- 19. Diabetes Mellitus
 - Def, Classification, Pathogenesis, Pathology in different organs
- 20. Adaptive disorders of growth
 - Atrophy & Hypertrophy, Hyperplasia, Metaplasia and Dysplasia anaemia, Megaloblastic anaemia
- 21. General Aspects of neoplasia
 - a. Definition, terminology, classification
 - b. Differences between benign and malignant neoplasms
 - c. The neoplastic cell
 - d. Metastasis
 - e. Etiology and pathogenesis of neoplasia, Carcinogenesis
 - f. Tumour biology



- g. Oncogenes and anti-oncogenes
- h. Diagnosis
- i. Precancerous lesions
- j. Common specific tumours, Sq papilloma & CA, Basal cell CA, Adenoma & Adeno CA, Fibroma & Fibrosarcoma, Lipoma and liposarcoma

B. Systemic Pathology

22 Anaemias

- Iron Deficiency anaemia, Megaloblastic anaemia

23. Leukaemias

- Acute and chronic leukaemias, Diagnosis and clinical features

24. Diseases of Lymph nodes

- Hodgkin's disease, Non Hodgkins lymphoma, Metastatic carcinoma

25. Diseases of oral cavity

- Lichen planus, Stomatitis, Leukoplakia, Sq cell CA, Dental caries, Dentigerous cyst, Ameloblastoma

26. Diseases of salivary glands

- Normal structure, Sialadenitis, Tumours

27. Common diseases of Bones

- Osteomyelitis, Metabolic bone diseases, Bone Tumours, Osteosarcoma, Osteocalstoma, Giant cell Tumour, Ewing's sarcoma, Fibrous dysplasia, Aneurysmal bone cyst

28. Diseases of Cardiovascular system

- Cardiac failure
- Congenital heart disease ASD, VSD, PDA
- Fallot's Tetralogy
- Infective Endocarditis
- Atherosclerosis
- Ischaemic heart Disease

29. Haemorrhagic Disorders

- Coagulation cascade
- Coagulation disorders
- Platelet function
- Platelet disorders

PRACTICALS

1. Urine Abnormal constituents

- Sugar, albumin, ketone bodies

2. Urine Abnormal constituents



- Blood, bile salts, bile pigments
- 3. Haemoglobin (Hb) estimation
- 4. Total WBC count
- 5. Differential WBC Count
- 6. Packed cell volume(PCV,) erythrocyte sedimentation Rate (ESR)
- 7. Bleeding Time & clotting Time
- 8. Histopathology
 - Tissue Processing
 - Staining
- 9. Histopathology slides
 - Acute appendicitis, Granulation tissue, fatty liver
- 10. Histopathology slides
 - CVC lung, CVC liver, Kidney amyloidosis
- 11. Histopathology slides
 - Tuberculosis, Actinomycosis, Rhinosporidiosis
- 12. Histopathology slides
 - Papilloma, Basal cell CA, Sq cell CA
- 13. Histopathology slides Osteosarcoma, osteoclastoma, fibrosarcoma
- 14. Histopathology slides
 - Malignant melanoma, Ameloblastoma, Adenoma
- 15. Histopathology slides
 - Mixed parotid tumour, metastatic carcinoma in lymph node

List of Textbooks

1. Robbins Pathologic Basis of Disease Cotran, Kumar, Robbins
2. Anderson's Pathology Vol 1 & 2 Editors Ivan Damjanov & James Linder
3. Wintrobe's clinical Haematology Lee, Bithell, Foerster, Athens, Lukens

Section - B : GENERAL MICROBIOLOGY

Introduction to Bacteriology :

History & Classification - Morphology, Physiology of Bacteria. Sterilization - Bacterial Genetics - Infection.

Immunology :

Immunity - Antigen - Antibodies - Structure and functions of immune system - Immune response - Antigen and antibody reactions - Complement System Hypersensitivity - Auto Immunity - Immunology of transplantation.

Systemic Bacteriology :

Staphylococci - Streptococci (Dental caries)- Pneumococci - Meningococci & Gonococci Corynebacterium diphtheriae - Bacillus Clostridia Non sporing Anaerobes Mycobacteria Spirochaetes (Treponema, Leptospira and Borrelia) - Actinomycoses- Normal bacterial flora of oral cavity.

**Virology :**

General properties of viruses -Bacteriophage - Herpes viruses - Measles & Mumps - Rubella Hepatitis viruses- Human Immuno Deficiency virus (HIV)

Parasitology :

Introduction to parasitic diseases, Classification, Entamoeba Malarial parasite
Leishmania Cestodes

Nematodes Ancylostoma duodenale, Ascaris lumbricoides Enterobius vermicularis,
Strongyloides stercoralis.

Mycology :

Introduction, Classification & Lab diagnosis in general Candidiasis and other
opportunistic infections - Subcutaneous mycoses - Systemic mycoses.

Applied microbiology :

Immunisation schedule, collection of specimens, Hospital infections Universal
precautions in health care settings - Oral lesions caused by microorganisms -
Antimicrobial therapy.

Practical demonstrations :

Sterilization & Disinfection in detail Culture media - Culture methods - Anaerobic
methods - Identification
of bacteria & other infectious microorganisms, Gram staining & Acid fast staining and
Immunoprophylaxis.

Objective Structured Practical Examination :

Skilled Exercise - Hand Hygiene, Biomedical waste management, Sterilization &
Disinfection.

Unskilled Exercise - Personal Protective Equipment, Needle Stick Injury, Transmission
Based Precaution.

Applied Exercise:

Upper Respiratory Tract Infections, Wound Infection, Sexually Transmitted Disease,
Blood Borne Viruses, Opportunistic Infection.

Recommended text books:

Text Book of Microbiology R. Ananthanarayan & Paniker. Text Book of Microbiology for
dental students - Prof. C.P. Baveja, Parasitology - Prof. C.P. Baveja Parasitology-
K.D. Chatterjee



GENERAL PATHOLOGY & GENERAL MICROBIOLOGY MODEL QUESTION PAPER

Section - A : GENERAL PATHOLOGY (35 Marks)

Section - B : GENERAL MICROBIOLOGY (35 Marks)

Section - A : GENERAL PATHOLOGY

One essay questions	- 10x1	= 10 Marks
Five marks questions	- 5x3	= 15 Marks
Multiple Choice Questions	- 1X10	= 10 Marks
Total		= 35 Marks

Section - B : GENERAL MICROBIOLOGY

(Introduction to Bacteriology, Immunology, Systemic Bacteriology,
Virology, Parasitology, Mycology, Applied Microbiology)

Essay Question	- 1x10	= 10 Marks
Short Notes Questions	- 3x5	= 15 Marks
MCQ Questions	- 10x1	= 10 Marks
Total		= 35 Marks

GRAND TOTAL = 70 Marks

PRACTICALS

Practicals	General Pathology	General Microbiology
University Exam	45 Marks	45 Marks
Internal assessment	5 Marks	5 Marks
TOTAL	50 Marks	50 Marks

Marks of Viva voce (20 Marks) conducted during practical examination will be added along with the University theory written examination



GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

II - B.D.S.

1. General principle of pharmacology :

1. Introduction, Terminology - Branches
2. Routes of drug administration
3. Prescription writing and Rational prescribing
4. Pharmacokinetics (absorption, distribution, metabolism and excretion of drugs)
5. Mode of action of drugs, combined effects of drugs, receptor mechanism of drug action)
6. Factors modifying drug response
7. Adverse drug reactions
8. Drug interactions

2. Central Nervous System drug :

1. General anaesthetics
2. Sedative and Hypnotics
3. Analgesics (Opioid, NSAIDS)
4. Anti epileptics
5. Skeletal Muscle relaxants
6. Local anaesthetics
7. Psychopharmacology, Alcohol & CNS stimulants.

3. Autonomic Drugs :

1. Sympathomimetics
2. Antiadrenergic drugs
3. Parasympathomimetics and Parasympatholytics.

4. Cardiovascular Drugs :

1. Cardiac stimulants
2. Antihypertensive drugs
3. Vasopressor agents
4. Treatment of shock
5. Antianginal agents
6. Diuretics



5. Autocoids :

1. Histamine
2. Antihistamines
3. Prostaglandins
4. Leukotrienes and drugs for Bronchial Asthma.

6. Drugs Acting on Blood :

1. Coagulants and anticoagulants
2. Hematinics.

7. G.I.T. Drugs :

1. Luxatives and Purgatives
2. Anti-diarrhoeal drugs
3. Drugs for peptic ulcer
4. Anti - emetics.

8. Endocrines :

1. Emphasis on treatment of diabetes mellitus
2. Thyroid and antithyroid agents
3. Drugs affecting calcium balance and anabolic steroids
4. Glucocorticoids.

9. Chemotherapy - (Antimicrobial agents) :

1. Sulfonamides
2. Betalactam antibiotics
3. Macrolides and aminoglycosides
4. Broad spectrum antibiotics
5. Antifungal and Anti viral drugs
6. Metronidazole
7. Fluroquinolones
8. Pharmacotherapy of Tuberculosis, Leprosy
9. General principles and management of cancer chemotherapy
10. Infection management in dentistry.

10. Vitamins :

1. Water soluble vitamins
2. Fat soluble vitamins

11. Chelating agents - BAL, EDTA and desferrioxamine



GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (PRACTICAL)

I.

1. Anti septics and Disinfectants
2. Styptics
3. Dentifrices
4. Mouth washes
5. Caries and fluorides.

II.

1. Pharmacotherapy of common oral conditions in dentistry
2. Practicals and Demonstrations :
To familiarize the student with the methodology of
 - a. Prescription writing and dispensing.
 - b. Rationale of drug combinations of marketed drugs.
 - c. Sources & Nature of drugs, dosage forms.
 - d. Pharmacology charts.

RECOMMENDED TEXT BOOKS

1. R. S. Satoskar, Kale Bhandarkan's Pharmacology and Pharmacotherapeutics.
2. Burtam G. Katzung, Basic and Clinical Pharmacology.
3. Laurence D.R. Clinical Pharmacology.
4. Tripathi K.D. , Essentials of Medical Pharmacology.
5. Padmaja Udayakumar, Text book of Pharmacology for Dental and Allied Health Sciences.
6. Tripathi K.D. Essentials of Pharmacology for Dental Students.



GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS II BDS

The Theory paper shall consist of two sections as follows:

SECTION - A	SECTION - B
General pharmacology	Chemotherapy
Central Nervous System	Gastro Intestinal Tract & Hormones
Autonomic Nervous System	Respiratory system & Autacoids
Cardio Vascular System & Diuretics	Miscellaneous - Vitamins,
Blood	Chelating agents

Each section shall contain the structure as follows:

- I. One Long answer question (LAQ) for 10 Marks (Should be structured)
- II. Three Short answer question (SAQ) for 5 Marks (3 x 5 = 15)
- III. Multiple Choice question (MCQ) (1 x 10 = 10)
(Should test the recall generally)

PRACTICALS

University Exam (Practicals) = 90 Marks

Internal assessment (Practicals) = 10 Marks

Total = 100 Marks

Marks of Viva voce (20 Marks) conducted during practical examination will be added along with the University theory written examination



DENTAL MATERIALS

INTRODUCTION

AIMS:

Aim of the course is to present basic chemical and physical properties of Dental materials as they are related to its manipulation to give a sound educational background so that the practice of the dentistry emerged from art to empirical status of science as more information through further research becomes available.

It is also the aim of the course of Dental materials to provide with certain criteria of selection and which will enable to discriminate between facts and propaganda with regards to claims of manufactures.

OBJECTIVES :

— To understand the evolution and development of science of dental materials

To explain purpose of course in dental materials to personnel concerned with the profession of dentistry. Knowledge of physical and chemical properties. Knowledge of biomechanical requirements of particular restorative procedure. An intelligent compromise of the conflicting as well as co-ordinating factors into the desired end. Laying down standards or specifications of various materials to guide to manufacturers as well as to help professionals.

Search for newer and better materials which may answer our requirements with greater satisfaction. To understand and evaluate the claims by manufacturers of dental materials.

NEED FOR THE COURSE :

— The profession has to rise from an art to a science; the need for the dentist to possess adequate knowledge of material to exercise his best through knowledge of properties of different types of materials. The growing concern of health hazards due to mercury toxicity, inhalation of certain vapour or dust materials, irritations and allergic reaction to skin due to contact of materials. Materials causing irritation of oral tissues, pH of restorative materials causing inflammation and necrosis of pulp which is a cause for the dentist to possess wider knowledge of physical, chemical and biological properties of materials being used. For the protection for the patient and his own protection certain criteria of selection are provided that will enable the dentist to discriminate between facts and propaganda, which will make a material biologically acceptable.

SCOPE :

The dental materials are employed in mechanical procedures including restorative dentistry such as prosthodontics, endodontics, periodontal, orthodontics and restorative materials.

To understand the evolution and development of science of dental materials To explain purpose of course in dental materials to personnel concerned with the profession of dentistry. Knowledge of physical and chemical properties. Knowledge of biomechanical requirements of particular restorative procedure. An intelligent compromise of the conflicting as well as co-ordinating factors into the desired end. Laying down standards or specifications of various materials to guide to manufacturers as well as to help professionals.

Search for newer and better materials which may answer our requirements with greater satisfaction. To understand and evaluate the claims by manufacturers of dental materials.



Section A : Prosthodontics

1. Performance Standards for Dental Materials
2. Structure of Matter and Principles of Adhesion
3. Physical properties of Dental Materials
4. Mechanical properties of Dental Materials
5. Biocompatibility of Dental Materials
6. Hydrocolloids impression Materials
7. Nonaqueous Elastomeric impression Materials
8. Inelastic impression Materials
9. Gypsum products
Chemistry of setting, Basic principles and Technical considerations
10. Chemistry of Synthetic resins
11. Denture base resins
Technical considerations and processing technical
12. Restorative resins
13. Binding
14. Solidification and micro structure of metals
15. Constitution of alloys
16. Corrosion
17. Dental amalgam
Structures and properties
18. Dental amalgam
Technical considerations
19. Direct filling gold and its manipulation
20. Dental casting alloys
21. Inlay casting wax
22. Investments for small castings
23. Casting procedures for dental alloys
24. Dental cement for restoration and pulp protection
25. Dental cement of bonding and luting application
26. Dental ceramics
27. Soldering
28. Wrought base metal and gold alloys



29. Dental implants
30. Mechanics of tooth cutting, burs & diamond points
31. Finishing and polishing materials
32. Dental waxes
33. Welding
34. Die materials
35. Dental implants
36. Mechanics of cutting :- Burs & Points

Recommended Books :-

1. Phillips, Science of Dental Materials - Kenneth J. Anusavice
2. Restorative Dental Materials - Robert. G.Craig
3. Note on Dental Materials - E.C. Combe

Section B : Conservative dentistry

COURSE CONTENTS

- Dental cement, Cavity liners and varnishes , Dental amalgam
- Composite resins,Pit and fissure sealants, Dentin bonding agents
- Direct filling gold , Dental burs,Tarnish and corrosion

REFERENCE BOOKS

- Phillips science of dental materials - Kenneth. J. Anusavice
- Restorative dental material - Craig
- Notes on dental materials - E.C.Combe

WORK QUOTA

PRACTICAL WORK QUOTA II YR BDS DENTAL MATERIALS (RESTORATIVE)

- Manipulation of dental cements zinc phosphate, zinc oxide eugenol, glass ionomer, zinc polycarboxylate, Manipulation of dental amalgam



DENTAL MATERIALS PRACTICALS

MANIPULATION AND MIXING OF THE FOLLOWING DENTAL MATERIALS :

1. Investment - All types
2. Impression materials
 - a. Impression compound
 - b. Reversible hydrocolloids - heating and conditioning
 - c. Irreversible hydrocolloids
 - d. Zinc oxide eugenol paste
 - e. Elastomeric impression materials
3. Denture base materials
 - a. Heat cure acrylic resin
 - b. Cold cure acrylic resin
4. Cements
 - a. Zinc oxide - Eugenol cement
 - b. Zinc phosphate cement
 - c. Zinc poly carboxylate cement
 - d. Glassionomer cement
 - e. Silver amalgam

DEMONSTRATION :

1. Welding
2. Soldering
3. Annealing
4. Pickling
5. Investing
6. Casting procedure



DENTAL MATERIALS
II - B.D.S.
MODEL THEORY QUESTION PAPER

THEORY - 100 University Written Exam - 70 Marks Viva Voce - 20 Marks Int. Asset. Exam - 10 Marks Total -100 Marks	PRACTICALS / CLINICALS - 100 University Exam - 90 Marks Int. Asset. Exam - 10 Marks Total -100 Marks
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The Written 70 Marks can split as follows:

SECTION - A =35 Marks (Prosthodontics)

SECTION - B =35 Marks (Conservative Dentistry)

EACH SECTION COMPRISED AS :

1. Essay	= 1x10	= 10 Marks
2. Short Notes	= 5x3	= 15 Marks
3. MCQ	= 10x1	= 10 Marks
Total Marks		= <u>35 Marks</u>

The Practical should contain the Objective Structured Clinical Evaluation Pattern.

PRACTICALS

Practicals	Dental Materials (Prosthodontics)	Dental Materials (Conservative Dentistry)
University Exam	45 Marks	45 Marks
Internal assessment	5 Marks	5 Marks
TOTAL	50 Marks	50 Marks

Marks of Viva voce (20 Marks) conducted during practical examination will be added along with the University theory written examination



PRE-CLINICAL PROSTHODONTICS

II - B.D.S. (Only Practical & Viva Voce)

IInd YEAR PRACTICAL WORK QUOTA :

1. Repair of lower complete denture
2. Rebasing of upper complete denture
3. Construction of Kennedy class IV acrylic partial denture - Maxillary
4. Construction of Kennedy class 1 acrylic partial denture – Mandible
5. Acrylic cap splint
6. 3 C.D. settings as preliminary training for University exams + 3 Exam setting (Minimum)
7. Alginate Impression

PRE-CLINICAL PROSTHODONTICS (Practicals)

Practical	Marks	No Theory
University Practical exam	60	
Viva Voce	20	
Internal assessment	20	
Total -	100	

Practical duration 3 Hours.

Recommended Books :-

1. Textbook of Prosthodontics - V.Rangarajan.
2. The Art of learning preclinical prosthodontics – Dr.V.Anand Kumar (2nd edition)



PRE-CLINICAL CONSERVATIVE DENTISTRY

II - BDS (Only Practical & Viva Voce)

COURSE CONTENTS

- Definition, history, scope of operative dentistry and related terminologies
- Dental caries, Classification of cavities
- Hand instruments their respective use and maintenance
- Speed in dentistry and maintenance of handpiece
- Dental burs its anatomy and sterilization, Sterilization and asepsis
- Patient operative position, Instrument grasps and rests
- Matrices and retainers, Wedges and wedging technique, Contacts and contours
- Steps in cavity preparation of class I, class II, class III, class IV and class V
- Recent advances in cavity preparation, Minimal invasive dentistry, ART
- Sharpening of hand instruments, finishing and polishing of various instruments
- Isolation of operating field and control of moisture

REFERENCE BOOKS

PRECLINICAL CONSERVATIVE DENTISTRY :

- Sturdevant's art and science of operative dentistry
- Textbook of operative dentistry - karthikeyan

WORK QUOTA

- Preclinical consecrate dental
- Identification and study of hand cutting instruments
- Identification and uses of operative rotary cutting instrument (micromotor)
- Demonstration on operative chairside position
- Arrangement of hand cutting instruments in order
- Demonstration of instrument grasp and rest
- Preparation class I , extended class I and class II and MOD's and class V plaster models
- Demonstration for class I, II, III IV & V cavity preparation
- Exercise on phantom head models which includes cavity preparation, base application, matrix & wedge placement followed by amalgam restoration

CAVITY DESIGN	NO.OF.CAVITY PREPARED
CLASS I	5
CLASS I EXTENSION	2
CLASS II	10
CLASS II MOD	2
CLASS V AND CLASS III GIC	2
CLASS IV	1
CLASS V AMALGAM	2



- Manipulation of cements like zinc phosphate, zinc oxide eugenol, glass ionomer cements and silver amalgam
- Identification and manipulation of various matrices and wedges
- Cast restoration
 - ☞ Preparation of class II inlay cavity, Fabrication of wax pattern
 - ☞ Sprue for inner attachment investment, Investment of wax pattern
 - ☞ Finishing and cementing of class II inlay in extracted tooth
- Endodontics
 - ☞ Identification of basic endodontic instruments
 - ☞ Coronal access cavity preparation on extracted upper central incisors
 - ☞ Determination of working length
 - ☞ Biomechanical preparation of root canal space of central incisors, obturation of root canal space, Closure of access cavity

PRE-CLINICAL CONSERVATIVE DENTISTRY PRACTICAL
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University Practical Examination - 100 MARKS

Practical	Marks	No Theory
University Practical exam	60	
Viva Voce	20	
Internal assessment	20	
Total -	100	

Practical duration 3 Hours.



PRECLINICAL INSTRUMENTS - PROSTHODONTICS

S.NO.	NAME	QUANTITY
1	Acrylic Trimmer Black Big Flame shape	1
2	Acrylic Trimmer White small flame shape	1
3	Acrylic Trimmer Pink cylindrical shape	1
4	Bowl Big	1
5	Bowl Small	1
6	Cement Spatula	1
7	Chip Blower	1
8	Clamp for flask	2
9	Dappen Glass	1
10	Disc Mandril	1
11	Enamel Tray	1
12	Enamel Chisel	1
13	File Ordinary Half Round, Triangular, Flat (set of 3)	1
14	Flask regular No 7	2
15	Glass Slab	1
16	Hot Plate	1
17	Mortar & Pestle	1
18	Plaster Knife	1
19	Plaster Spatula Curved	1
20	Plaster Spatula Straight	1
21	Rubber Sheet	1
22	Sand Paper Mandril	1
23	Scissors Straight	1
24	Three Point Articulator Powder Coated	1
25	Wax Carver	1



S.NO.	NAME	QUANTITY
26	Wax Knife	1
27	Bunsen Burner with tube	1
28	Eosin & Haematoxylin Pencil	1
29	Plastic spatula	1
30	Straight fissure steel bur	1
31	Sand paper 80,100,120	3
32	Steel ruler small	1
33	B.P. Blade No 15	10
34	B.P Handle No 2	1
35	Blow torch	1
36	Wax spoon	1
37	Colored Wax Block box	1
38	Polishing Buff	1
39	Impression Trays full set U/L,Edentulous set of 8	1
40	Green Cloth	2
41	Vaseline	1
42	Stone Plaster 2 kgs	3
43	Base Plate	1
44	Wax Sheet	2
45	Impression Compound	1
46	Self Cure Lab Pack	1
47	Heat Cure Lab Pack	1
48	Glass Plate	1
49	Ceramic cup with lid	1
50	Teeth Set Bio Rock	1
51	Spirit Lamp	1



PRECLINICAL CONSERVATIVE DENTISTRY		
LIST OF INSTRUMENTS / MATERIALS		
S.NO	NAME	QUANTITY
1	Neat apron with name plate	1
2	Head cap (Disposable)	1 box
3	Gloves (Disposable)	1 box
4	Mouth masks (Disposable)	1 box
5	Working glasses	1
6	Typhodont (supplied by the Dept)	1
7	Rubber sheet (Should cover the Working Area)	1
8	Green cloth (Neat)	1
9	Micro motor Handpiece (Contra angle , Slow, speed)	1
10	Constrangle handpiece Burs set of 4 (Micro motor)	
	a.Straight fissure	1
	b.Inverted cone	1
	c.Round Bur	1
	d.Tapering fissure (Small)	1
11	Mouth mirror	1
12	Probe	1
13	Explorer	1
14	Tweezer	1
15	Straight Chisel	1
16	Enamel hatchet	1
17	Gingival Marginal Trimmer	1
18	Plastic filling instrument	1
19	Cement spatula (Metal & Agate)	1+1
20	Amalgam Carrier	1
21	Amalgam condenser	
	a. Round condenser	1
	b. Parallelogram condenser	1
	c. Cylindrical condenser	1



22	Burnisher	
	a. Ball burnisher	1
	b. Anatomic burnisher	1
23	Amalgam Carver	
	a. Frahem's carver	1
	b. Hollenback Carver	1
	c. Wards carver	1
24	Glass slab (Clean & should not contain cement)	1
25	Dappen dish	1
26	Motor & pestle	1
27	Spirit lamp with spirit	1+1
28	Matrix retainer (Ivory No.1 , Ivory No.8, Tofflemeire)	1
29	Matrix band (No.8, No.1)	1
30	Mckintosh sheet 36"×26"	1
31	Instrument carrying case & bag	1
32	Excavator	1
33	Wedges (Wooden, Anatomical/triangular)	1
34	SS tray with lid 12×10	1
35	Chip syringe	1
36	Cotton holder with cotton	1
37	Cotton rolls & Cotton pellets	1
38	Scissors (sharp)	1
39	Pencil sharpening blade	1
40	Pencil & eraser	1
41	Metal scale	1
42	Magnifying lens	1
43	Zinc phosphate cement box	1
44	Composite resin filling instruments	1
45	Natural teeth (anterior & posterior, maxillary & mandibular)	2 sets each



ORAL PATHOLOGY & ORAL MICROBIOLOGY

Topics covered in II BDS:

1. Developmental disturbances of teeth - Aetiopathogenesis, clinical features, radiological features & histopathological features as appropriate: - The size, shape, number & eruption of teeth & clinical significance of the anomalies.
2. Developmental disturbances of jaws - size & shape of the jaws.
3. Regressive alterations of Teeth - Attrition, Abrasion, Erosion, Bruxism, Hypercementosis, Dentinal changes, Pulp calcifications & Resorption of teeth.
4. Physical & Chemical injuries including allergic reactions of the oral cavity.
5. Healing of Oral wounds & complications - Dry socket.
6. Biopsy : Types of biopsy, value of biopsy, cytology, histo chemistry & frozen section diagnosis of oral diseases.
7. Systemic Diseases involving Oral cavity : =Brief review & oral manifestations, diagnosis & significance of common Blood, Nutritional, Hormonal & Metabolic diseases of Oral cavity.

Practicals:

1. Spotters
 - Developmental anomalies affecting the size of the tooth
 - Regressive alterations of teeth.
2. Demonstration of Exfoliative cytology procedures
3. Demonstration of Hematological procedures (Blood films)
4. Demonstration of biopsy lab procedures
5. Slide identification & Diagram of exfoliative cytology of oral mucosa
 - A. Normal epithelial cells
 - B. Dysplastic epithelial cells
6. Assignment for selected topics

RECOMMENDED BOOKS

1. A Text Book of Oral Pathology - Shafer, Hine & Levy
2. Oral Pathology - Clinical Pathologic correlations - Regezi & Sciubba
3. Oral and maxillofacial pathology - Neville, Damm, Allen



VENUE : VMKV MEDICAL COLLEGE, SALEM.							
DAYS	9.00 am to 10.30 am	10.30 am to 11.30 am	11.30 am to 11.45 am	11.45 am to 1.30 pm	1.30 pm to 2.30 pm	2.30 pm to 3.30 pm	3.30 pm to 4.00 pm
MONDAY	Microbiology	Pharmacology	Tea Break	A Batch - 1 st & 3 rd Week - Microbiology 2 nd & 4 th week - Pathology B Batch - 1 st & 3 rd Week - Pathology 2 nd & 4 th week - Microbiology	Lunch Break	General Pathology	Slow Learners/Advanced Learners Training (SLT/ALT)
	General Pathology	Microbiology / General Pathology				Pharmacology	Slow Learners/Advanced Learners Training (SLT/ALT)
TUESDAY	General Pathology	Microbiology / General Pathology	Tea Break	A Batch - 1 st Week - Microbiology 3 rd Week - Pathology 2 nd & 4 th week - Pharmacology B Batch - 1 st & 3 rd Week - Pharmacology 2 nd week - Microbiology 4 th Week - Pathology	Lunch Break	Pharmacology	Slow Learners/Advanced Learners Training (SLT/ALT)

Note :1st week of a month to be considered if it begin with Monday or Tuesday. If month begins with any other day the following week will be considered as the 1st week of the month. 5th week (if any) practical classes will be shared alternately between Pathology and Microbiology.


VENUE : VINAYAKA MISSON'S SANKARACHARIYAR DENTAL COLLEGE, SALEM						
DAYS	8.30 am to 9.30 am	9.30 am to 10.30 am	10.30 am to 10.45 pm	10.45 am to 1.15 pm	1.15 pm to 2.00 pm	2.00 pm to 3.30 pm
WEDNESDAY	DM (Prostho)	Preclinical Prostho/ODS (Theory)	Tea Break	Preclinical Prostho/ODS	Lunch Break	Preclinical Prostho/ODS
THURSDAY	DM Lab (Prostho/ODS)	DM Lab (Prostho/ODS)		Preclinical Prostho/ODS		Oral Pathology
FRIDAY	DM (ODS)	DM Lab (Prostho/ODS)	Preclinical Prostho/ODS	Preclinical Prostho/ODS		
SATURDAY	8.30 am to 10.45 am	10.45 am to 11.00 am	11.00 am to 1.30 pm	1.30 pm to 2.00 pm	2.00 pm to 3.30 pm	2.00 pm to 3.30 pm
	DM Lab (Prostho/ODS)	Tea Break	DM Lab (Prostho/ODS)	Lunch	Mentoring	



FINAL UNIVERSITY EXAM - ANSWER BOOKLET



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM.
(Deemed to be University)

Register No. 

Name of the Candidate * :

College * : Degree (Branch) * :

Title of the Paper * : Course Code * :

Date & Session * : Q.P. Sl. No. * :

Signature of the Candidate Facsimile Signature of the Invigilator

Do not write the register number in any other part of the answer book


Title of the Paper * : Course Code * :

Q.P. Sl. No. * : 

Q. No.	1	2	3	4	5	6	7	8	9	10	Total
Marks											
Q. No.	11	12	13	14	15	16	17	18	19	20	
Marks											
Q. No.	21	22	23	24	25	26	27	28	29	30	
Marks											
Q. No.	31	32	33	34	35	36	37	38	39	40	
Marks											
Q. No.	41	42	43	44	45	46	47	48	49	50	
Marks											
Grand Total (in words)											Grand Total (in number)

Name & Signature of the Examiner Name & Signature of the Chief Examiner Checked by

Title of the Paper * : Course Code * :

Q.P. Sl. No. * : 

Q. No.	1	2	3	4	5	6	7	8	9	10	Total
Marks											
Q. No.	11	12	13	14	15	16	17	18	19	20	
Marks											
Q. No.	21	22	23	24	25	26	27	28	29	30	
Marks											
Q. No.	31	32	33	34	35	36	37	38	39	40	
Marks											
Q. No.	41	42	43	44	45	46	47	48	49	50	
Marks											
Grand Total (in words)											Grand Total (in number)

CHECKLIST

- 1, 2, 3, 4, 7 - Refer Hall ticket
- 5, 6, 8, 11, 12, 13, 14, 15, 16 - Refer Question paper
- 9 - Signed by candidate
- 10 - Signed by invigilator

FINAL UNIVERSITY EXAM

INSTRUCTION TO THE CANDIDATES

Before answering :
Fill in the particulars such as Register number, College, Degree and Branch of study, Course, Course code, Q.P.SI. No, Date and Title of examination paper and Sign in the space provided.

DO NOT write your name or any other Identifying mark on any part of the Answer Book.

DO NOT write in the margin.

No loose sheets of paper will be allowed in the Examination Room and no paper must be detached from the Answer Book.

- Additional answer booklet utilised applying the same instructions as the main sheet.
- The answer must be legibly written in Blue or Black Ink / Ball Point Pen.
- Draw with labelled illustrations wherever necessary.
- Before submitting the answer sheets the candidate should strike the unused pages if any.

