

MAHE INSTITUTE OF DENTAL SCIENCES & HOSPITAL

Affiliated to Pondicherry Central University, Recognized by Dental Council of India Chalakkara, P.O. Pallor, Mahe-673 310 U.T. of Puducherry. Ph : 0490 2337765

2.5.4: The Institution provides opportunities to students for midcourse improvement of performance through specific interventions Opportunities provided to students for midcourse improvement of performance through:

- **1.Timely administration of CIE**
- 2.On time assessment and feedback
- 3.Makeup assignments/tests
- 4.Remedial teaching/support

INDEX SHEET

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POLICY DOCUMENT OF THE OPTIONS CLAIMED



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Dr.ANIL MELATH, MDS., PRINCIPAL

TO WHOMSOEVER IT MAY CONCERN

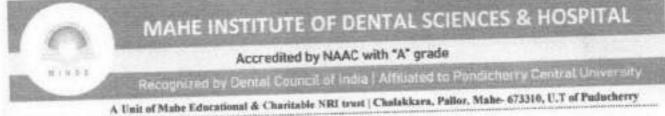
This is to certify that our Institution provides opportunities to students for midcourse improvement of performance through specific interventions Opportunities provided to students for midcourse improvement of performance through:

- 1. Timely administration of CIE
- 2. On time assessment and feedback
- 3. Makeup assignments/tests
- 4. Remedial teaching/support

PRINCIPAL

7/19/23, 11:48 AM

IR Betterment Updated.jpg



Ref. No: MINDS, P.P/100123/01

Date: 10.01.2023

CIRCULAR

This is to inform that Slow Learners of the IIInd Internal Examination of IR Batch has to attend Betterment Examination as per the Time Table.

Question Paper to be submitted through Email: gyamwingmindsliftmahedentalcollege.org on or before 14.01.2023.

Date	Day	Final BDS	Third BDS	Second BDS
16.01.2023	Monday	Public Health Dentistry		General pathology
17.01.2023	Tuesday	Periodontics		Microbiology
18.01.2023	Wednesday	Orthodontics		Pharmacology
19.01.2023	Thursday	Oral Medicine and Radiology		Dental Material
20.01.2023	Friday	Oral Surgery	Oral Pathology	1999
21.01.2023	Saturday	Conservative Dentistry		
24.01.2023	Tuesday		General Medicine	
25,01,2023	Wednesday		General Surgery	

Mark list of the same should be submitted at Exam Wing on or before 30.01.2023

Dr. Anil Meluth, Principal Principal Mabe Institute of Dunist Sciences & Hospitar MAHE

Copy to:

Chairman Vice Principal Concerned Dept's MINDS Nest Exam Wing 1QAC

13 : 0490 1337406, 2336190, 2336191, 8301046544

as : principati@mahedentalcollege.org | administration@mahedentalcollege.org

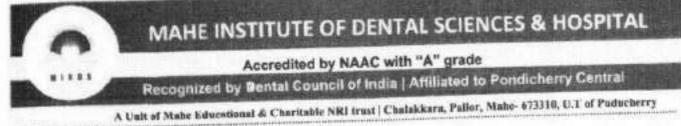
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Ref. No: MINDS.P.O/120123/01

Date: 12.01.2023

CIRCULAR

			PG LIB	RARY
Date	Year	Subject	8 to 9.30	9.30 to 11
16.01.2023	Final Year	PHD	Dr. Mridhul	Dr. Moonas Jahan
	Second Year	General Pathology	Ly, mindlen	
17.01.2023	Final Year	Periodontics	Dr. Ashwin A	Dr. Haswini M
	Second Year	Microbiology		
18.01.2023	Second Year	Pharmacology	Dr. Aravind Haridas	Dr. Rugma Kannan
19.01.2023	Final Year	OMR	Dr Lino Paul	Dr. Athul Prakash
	Second Vear	Dental Material	DI LINO I MIL	
20.01.2023	Final Year	OMFS	Mrs. Sona Valsaraj	Mr. Gireesh K.
	Third Year	Oral Pathology	terror contract of maximum of	
21,01,2023	Final Year	Conservative Dentistry	Dr. Megha	Mr. Rahmathulla

Copy to: Chairman Vice Principal Concerned Dept's MINDS Nest Exam Wing IQAC



Dr. Anil Melath, Principal

Prinolpal Idatio Institute of Dental Sciences & Hospita-010.1407

: 9490 2337496, 2336198, 2336191, 8301046544

: principal@mahedentalcollege.org | administration@mahedentalcollege.org B : www.mahedentalcollege.org



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DEPARTMENT OF PERIODONTICS MARKLIST OF IMPROVEMENT EXAM - FINAL YEAR IR BATCH 2022-2023 17-1-23

SLNO	NAME OF STUDENT	MCQ(25)	THEORY(45)	GRAND TOTAL (70)
1.	ANAGHA C P	15	14	29
2.	ASWATHY PR	12	10	22
3.	NIKHITHA	11	16	27
4.	PRISCILLA MERCY B	13	12	25
5.	R RAMANA	15	19	34
6.	SALMAN UL FARZI	15	20	35



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DEPARTMENT OF PERIODONTICS

MARKLIST OF IMPROVEMENT EXAM - FINAL YEAR REGULAR BATCH-AUGUST 2022

02-08-22

SLNO	NAME OF STUDENT	THEORY(100)
1.	ABHINAV SEKAR C	15
2.	ADITHYA NARAYANAN S	23
3.	BENIL PAULOSE	13
4.	ESHA BARKAVIE	35
5.	JOE JOSE	23
6.	ATHUL V	07
7.	RAMEESA ISMAIL	02

R.Ramana 18050249

DEPT OF PERIODONTICS MINDS, MAHE, FINAL BDS-IR BATCH IMPROVEMENT EXAMINATION (January 2023) MCQ3 (1 MARK EACH) - DURATION 30 MINS

1. Coatings of developmental origin include all, except (a) Reduced enamel epithelium (b) Coronal cementum (c) Dental cuticle (d) Junctional epithelium

2. Ramiford teeth includes (a) 16, 21, 24, 36, 41, 44 (c) 21, 31, 41, 11

(b) 16, 36, 46, 26 (d) 16, 26, 36, 46, 21, 41

3. P.gingivalis, B.forsythus, T.denticola, often associated with periodontal disease, are collectively referred to as (a) Red complex (b) Green complex

(c) Orange complex (d) Yellow complex

Mast cells are important in
 (a) Acute inflammation
 (b) Chronic inflammation
 (c) Immediate inflammation (d) All of the above

5. The microorganisms that increases significantly during pregnancy is (a) P. Intermedia (c) P. Loeschii (d) A. Israelii

6. Spontaneous bleeding from gingival occurs in all, except
 (a). ANUG
 (b) HIV Periodontitis
 (c) Leukemia
 (c) Leukemia

7. The preponderant immunoglobulin found in saliva is
(a) IgA (c) IgM
(b) IgG (d) IgE

8. Gingival enlargement in pregnancy is called
 (a) Angiogranuloma
 (b) Peripheral giant cell granuloma
 (c) Central giant cell granuloma
 (d) Fibroma

9. Pseudo pocket refers to
 (a) Suprabony pocket
 (c) Gingival pocket

(b) Infrabony pocket
 (d) Periodontal pocket

10. Kirkland knife is commonly used for

(a) Electrosurgery
 (c) Osteoplasty

(b) Gingivectomy (d) Curettage

11 The most effective and stable grasp for all periodontal instruments is

(a) Palm and thumb grasp (b) Modified pen grasp

(c) Standard pen grasp (d) None of the above

12. Brushing technique recommended for areas with progressing gingival recession is

(a) Charter's method (c) Bass method

(b) Modified Stillman method (d) Fones method

13. Sub-antimicrobial dose of doxycycline is (a) 100 mg (b) 50 mg

(c) 20 mg (d) 10 mg

14. Internal bevel gingivectomy refers to (a) Undisplaced flap (b) Modified widman flap (c) Apically displaced flap (d) Envelope flap

15. Reshaping the bone without removing tooth supporting bone is

(c) Ostectomy

(b) Vestibuloplasty (d) Odontoplasty

16. All are bio.degradable membranes, except for

(a) Atrisorb (c) Poly glactin 910

(b) BioGuide (d) Goretex

17. Cul-de-Sac feature is present in which stage of furcation Involvement (a) Grade 1 (c) Grade-III (b) Grade II (d) Grade IV

18. The maintenance phase of periodontal treatment starts immediately after the completion of

(a) Phase 1 therapy (c) Phase 3 therapy

(b) Phase 2 therapy (d) Phase 4 therapy

19. In AIDS, most profoundly affected cells of the immune system are

(a) B Lymphocytes (b) T Lymphocytes.

(c) Monocytes (d) Macrophages

20. Papillon - Lefevre syndrome is characterized by all, EXCEPT

(a) Pre-pubertal periodontitis (c) Mental deficiency

(b) Hyper_keratotic skin lesions (d) Calcification of dura

21 Radiographic sign of trauma from occlusion includes all, EXCEPT
 (a) Vertical bone loss
 (b) Horizontal bone loss
 (c) Root resorption
 (d) Radiolucense and condensation of alveolar bone

22. The dominant microorganism in root surface caries is

(a) Actinomycesviscosus (b) S. Mutans

(c) S. Sanguis (d) A. Israelii

23. Dermatological condition which account for over 95% of desquamative gingivitis is

(a) Lichen planus (c) SLE

(b) Erythema multifornie (d) Pemphigus vulgaris

24 Pericoronitis occurs most commonly in

(a) Mandibular third molars (c) Maxillary canine

(b) Maxillary third molars (d) Mandibular canine

25. Linear gingival erythema is most commonly associated with

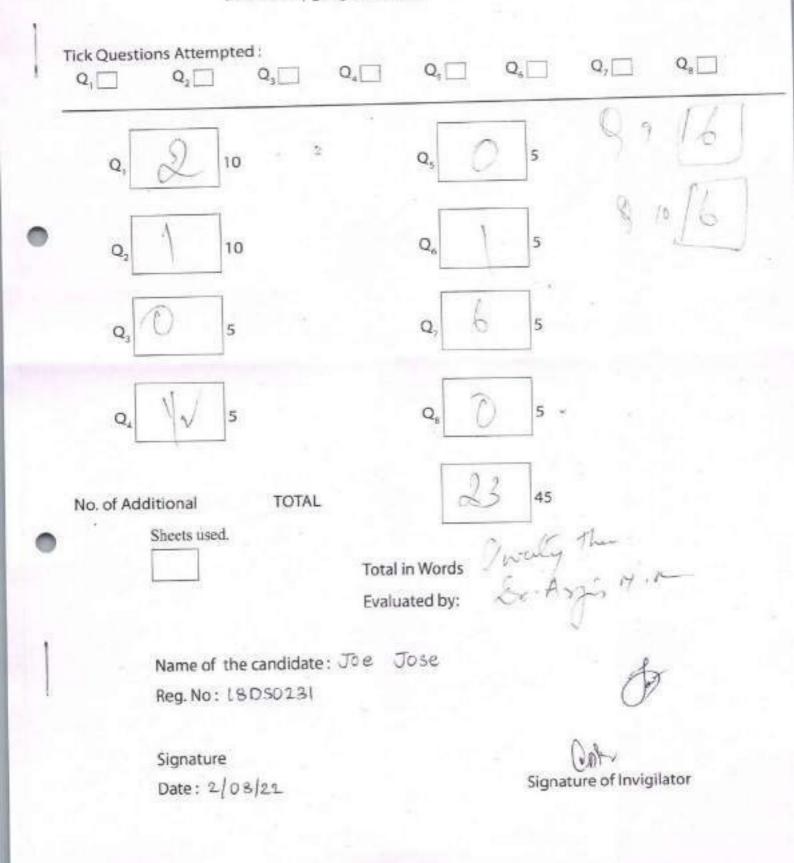
(a) Bismuth intoxication (b) Stomatitis medicamentosa

(c) AIDS (d) Aplastic Anemia

MAHE INSTITUTE OF DENTAL SCIENCES & HOSPITAL CHALAKKARA, MAHE U. T. OF PUDUCHERRY - PIN 673 333

INTERNAL ASSESSMENT BOOK

SUBJECT: Periodontics



10) TFO (Drauma from ecclusion) : The used health enganisation defined TRO as the pressure exerted on the periodontal egament log a teeth from the oppassing jours. It ican be: · Acute trauma fromescelusiero · Chrienic trauma frem vocluaien It us cales furthur classified as: · Prumary the · decendary TFO The trauma from occlusion occurs mainly due to the pressure exerted ion the periodontal. Emical findings Atut for primuses absclusion sturg of test nate it Trauma from occhieron: ciousio auddun unjury ite periodental invert because of biting on any sont

hard aljects. Bruziam casis. chronic trama from sochusion: It soccurs in · Faulty restaration . Ontrestreatment . Malocelused teeth . High yearnes on orestanotion. us beireg regnel ref broveselani tfel fo that there is a ware un adjacent teth leading to damage of periodental ligame threnic trauma from solution us bein i. long standing cases. Management: Remove pour source istimuli Manage chigh permits on restanction miliant jou implained pratient complaint in finite. staget prevprof. 1 sprata ibitage 2 : Rejeaus Stage 3: Remodulling

stage 1: my very En this stage almennal sociusal formances and amined training al latrateired with at previous the tuth. lentingent pressure causes tear in lining of periodental ligament, PDL halds the teeth onto the absealar lione any damage to por results in lossening of teeth from socket Stage 2 : Repair for moments amore risque or ellessagement of speriodontal ligament last only mild amount of pdi us replaced called "butterssing of ligamen Hornontal farces can be leading to asterlast and asteablastic activity on one and some teeth be when continuous pressure applied . dequireration secures. Butteress region shows inflammed genoposal tissue, bleeding on prolon

etc. so can be easily differentiated.

Stage 3 Remodelling It is last and final step in which bon us remodulied loach to was initial form bring back to initial form. 9 Resective asserts surgery is the procedu for surgical removal of infectid bone Alas suffered as amputation Resective procedure surgical removal of loone us valled estertomy san proper maren of some: 1) Raising the flap on flap sungery is the unitial method for elserving und borry structures. For flap raisement. (1) Internal bevelving It relians the united step in which unicien I 2mm from marginal iquigiros. In flap is til elttil bedien

(11) Ouralar unitarion:

In this further apical movement of instrument us idone till flage properly raised

(11) Interdental uncraien : In this technique incis us made in the interdental papilla and flap is raised.

These are the three horizontal incisions

restical incision

After harzontal uncision vertical uncision made to reduce pressure in the sight and proper flap displacement.

Methods værd: modified Widman's technique undisplace flage Apically displacement flage.

asteoplasty is defined as sharing of the infected bony. once alrealas bone becomes visible throw flap displacement computation (resection of unfected bone begings. step a: Harryontal and virtical bone unciación Removal of Jone is only done with 2mm of normal bone kept intact for regeneration. Regeneration of bone is through asteallastic activity. step 3: lyrafting is done in the reserved & from bone resected from petric as fibulas bone. Step 4 : Placking resisting site with medici steps: duturing of iniciaion and leaver ut for healing

lyngival unflammation * chnonic * Acute Donig induced ignginal overgrouts * Phenyton * calcum channel blockers * Anticonvulcents. Sumour unduced conqueal overgrowth *Berugn * malignent. Enlangement due to systemic diseases Leukemia. Vutamin c deficiency pulserity opreduced atc. Accerding to location Lecalized lymenalised combined

DIORO (Drug induced genginal overgrowth) wechanism of action DIGO Barteria fibroblastic implaimme proliteration. Inhibits cation unflux Reduction is unflux of cons unto gunquia Deactwate TIMP-1, MMP-1, MMP-2) Reduced callagenaseacturity Increased collagen production Acumulation of fileroblast inintercellular spaces

Grade 0 : No gingival centargement Grade 1: Mildigingwal enlargement Grade 2 moderate iging val ienlargement Grade 3: Servere igjingwal inlangement. 1999 classification avade 0: No izingival overgroundt No radiegraphi Grade 1 : lyingwal overgrowth present but only Blighly. Perudental procket about 3mn depth. mild ar no radiographic finding Grade a : Perudontal pocket depth mare than 3 mm yearesent dyngwal overgrowth present. Bleeding en praling seen. Radiolucencies aren on radiograph. Grade 3: Radiolucencies with service bone large us iseen. Periodontal pocket depth of 6mm present lyingioal overgrowth covering cirvical partion of deeth. avade 4 : All features same as grade 3. Mare than 6 mm pocket and gingival overgrowth cover teeth filey.

2. Function& of periodontal ligaments: It function un halding teeth in pasitie The processes aprocesses. . It wate is a shock absorber by sprind res trungboldibi morf atest ablack te. tipping forces. protestal liberard

Comentum and pdl together farms a stronger netwark which prevent toath midulity ar idialogement. Bamage to pdl can lead to tooth mobility . It has vertical and hasyontal lines. 1. lejingura comprises of 3 parts: marginal igingiva Attatched gingura unattatched/free gingina Mouroscopic finding. A healthy ginging consists of a marginal gengina lining margins of teeth in a calla like fashion while attached gingwaistend from mucogingwal junction upto Breeginger margin unattatched gronging is the free gungura. In case of gingintis and periodontitis almannalities in normal structure of gingwant seen.

Bluish red colour is seen in case of pervedentitis. Aggressive periodentitis shows converties in papilla Localised juvanile Periodentitis Locationed openiodonaities yeneralised periodontis generalised juvenile periodontitis Aggriaire periodontifis. Bleeding is also absensed. * rearmal congrea cià upale punk vis cal Stippling may as maynet present, Scalloped/knief-idged/blunt end

Rerudontitis us calcurred commonly in femo compared to males. Seen in indurduals about 20 years of age.

awalval s

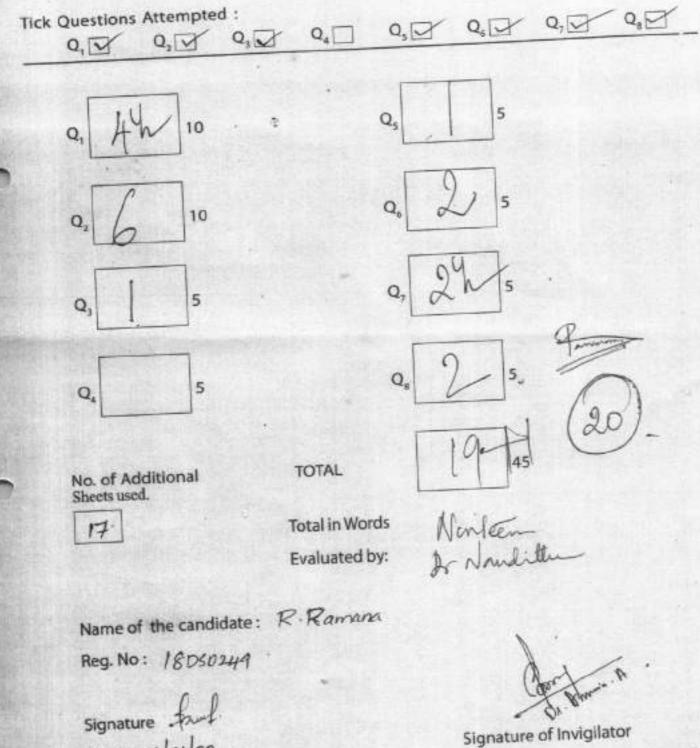
angual sulcus us a V- shaped groove see in junction of aroun and roat Periodion peckets is acclulated by massing depth to which prabe as who perale pend of a depth of more than 2mm perietrat present it is indicative of ginginal pecket Bleeding point is point of concer Any capical migration of igingino leads it lying wal receasion surcation involvement us seen in beforeated and tinfureated it where caccumulation of clasteria in fures ican lead to bone reparption in that regi

- 4. Alvealar bone: It is made up of islamm iand phasphate There are the bone covering it root surface and tesponsible for holdin teeth in pasition in the procket.
- 5. Niedle appiration

6. Plaque hypothiais: It can occur unfrabony/ auprabony. It is due to presence of ignom pasiture carrable bacteria which is later transformed to gram-negative anarra It is the thin brafilm farmed on tooth constace. Dreatment : Scaling avretage Utage of heridine monthwash Proper bruching technique The accumulated plaque cause infection in the gingiva.

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INTERNAL ASSESSMENT BOOK SUBJECT: periodonties



Date: 17/01/23

SECTIONI-A ESSAY : 1. Trauma from ocalision: Sefinition : " TOF is defined as the ford encrited from occlusion that exceeds the adaptability of privadental Alssue . Classification. Based on cause primary TFO Secondary TFO Primary TEC: the force evented that cause rudden impact of tooth which leads to exclude wear of steeth. Hentely periodonting 1 from Chinical fertures : cidural users

- change in ordinion. Causes: - due to tecting a heavy abject - Restructive or purchaselentic relation . Sciendary Ferres from occlusion that exceeds the I I limit and courses occural facuts F climital features : . The tester gees apically into the towards Alveelar bine. - ecoloval faute - prosters reliable the cause trains - changes in occlusion - find bodgement in the interdented area. Causes due to the restoration due to producte schabilitation - due to betry of during alfect

Based on enect. * Acale TFC + channe Tte Aute. A sudden " shaped of from seaded from a contactor. that absuppt damage to the personal hour a take. clinical features · Occlused forestor - occlusion change - bere destruction Causes - Sudden tott of heavy subjects " reclinial land - Restorchive changes · Improper prostation related to the Chronie when the sectional offices excepted realizes a concerned in people of the contentionages in vectors and changes in presidental Answers.

Clinical features : · occlused wear off - occlured facet - Occlived charges ż Teeth gets nord aftently Bene Leve Clinical effectives Cementum: Other Al Cemental Aras Reat most recorption seen

Stages of TFO: · Infury - Repair and remodelling the modelling - Adaptability Mclophics Inpury . Dece to the force enorted by from eccluster the busseuring tinsue gots stancinged. It causes hypery to the borne and cause theme destruction. Repair and Reprodelling After distruction of here - it is applaud by " thinned beny tradecular. - That is bittue how foundari Adaptatitity. Avoir the bane . layer of tasme formation with dright variable connective Actual formation with sign pland supply.

2) periodontal pocket: Definition: pathological deepening of gingital mulars is called periodental packet. - carrony classification : Bused on achievery: Active packet Snachve pocket Based on Alssue formation - Florens pecket Eclemations pecket Based on Alature. - preudo [chinginal pechat True periodontal pecket Based on Altechnunt: Infratring / supracional sakerchil Suprobony / Supracestal.

participanisis of periodontal preket: - Barbevil extensiontion - Inflammaky charges - Neutrophil, infiltude - Tissue destruction - pecket Jornahon Bacterial colonization : In this ships a longer of backeria crows in the gingeral tissue. grans positive haden accumulate any sugarginal calculas. Inflammatory changes of thissue After Mot it passes into subgrighted calardin auxes inflammation to Aissue

the collagon gets inflammed. - Formation of Finger like projection in the base of salars. attachement doss to happined. Mentrophik : - Menticphil in the ginginal titure suranys the bacteria. - phagecytesis occur · the collagen becomes over inflammed. Taxoul dustruction -> The bundles of collegen gets destructed by allas engyme collagenase, typogyme. -> The tinsue gets destructed pocket formation: The loss of attachment occured, the sulas deepend into terrate lours

t 13 Backerial edonigation. 12 antes - > Firger Uke projection 0 /es > Mechaples. Inflammatey drages F Neufrephil -19 han Trinne deskuchin pocket fourther.

Section -B 3) plaque lypothusis - Specific plaque hypothesis - Meio- specific plaque Supportunis - Ecologic Augrotusia - Kuptone plaque Suprethens. Specific plaque hypothesis: - p. gingualito catures plaque formation in the testh surface. - layer of pellicles formation acau and acquirede Into plaque. - Specific again mitroorganism causing plaque formation. Non- specific plaque dy nothesie: p. gingivalis, p. incedi . Actinomyces all

minconganism Povolved in this hypothus. All princiganism hypethic cause levels the formation of plaque. Keystone - Ayebirrin Merin's classification: - used for progness and treatment plan for peniodontal disease <u>Class</u> <u>Maintenane</u> <u>Trentment</u> First year good oral Augiene <u>1-2</u> Reeall Rouhae class-A Excellent coal hygiene auto ac factor of - No complicated prestudient Reshaping_ scaling 12 - his bone less is no Acoffloring

5- percent trone remaining - nic periodonkul 6 - menthis pucket - Mildcalaikus Class B . : good eral Lugiant - Scaling 4 with facks of . root planing - maintainanu - Heavy calus 3-4 mort good oral Lygrene. - complicated prosthes - pocket for weekin (penerlent packed) - loved sed of have remaining. poor oral Luggiene - Sculing to class c suith feeches of reat plaining - preavy caluitus - Gingittage 12month - complicated awith cubillings prostlusia - previoelontal pochet - loss of more then sol of bone Remaining.

=) <u>Ilucies of colladers formation</u> - derital plaque baslesie partein precipitation leas of Cashardienicle Anerenzed ph of saller precipitation of calicum sults calulus formation. * Trhibition streng * Thansformation theony * Buchevial Arcony * Engymakte theory Inhibition theory. In this theory the buders causes plaque formation. the millicorganian shirts the activity of cold a

causes formation adjuilus. Trumponiation Aleony: plaque -> calacturs. In plaque formation , plaque bacteria cause precipitation, precipitation of calculis and form calculus. Rachewal theony; The plaque buckeria - precipitation of caldism - Anciense the pH of soulisa - send to formation of caladies. Emymake theory: Enjugnes deads to formation of your calculus.

Melchar's concept: At the about the development of guided time degenuation in 1976. For different classification cells & formation. For- epithelial cell - cell deissed from ginglind annechie hime Explain the - cell clained from bone - cell derived from poll Crusic dontal ligement]. bruided time Regenushin used for. -> fluention Producement class 7 class I -> In case of ginginal necession -> 5mm of neurodontal pecket.

8 pericelontal fitxes: Accessory former: - Interstadicular fitner : - Apical fibres - Honingental fibres - obligue finces - Transceptor filmes. > Transcepted fitre » Helizontal fibre -> chlique fines - Aprical fibres > Internadiculas films

Enteractivelas fibre present in the Robertadiador of multicaled Auth. Aprical fitnes : present in the agrical postion of reat Oblique : present above the aprical fisher and stolignely assanged towards a preatly 1-toringental fikes : - present above the obligue and below the Transcepted fibres Hoter Transuphil - present at CEJ of tooth. - It provide skeryth between the such. - Interdental strongthen the post.