RETEST AND ANSWER SHEETS (SAMPLE)

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matrices the channicule propert in the food eductie in it by matricestion and sulive only somisitized the receptors in toute budy to the toute of the food can be porceived. Toute buds are pojested enganetic enlines with the tip which convicts of receptors, in it.

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Functions & tools buds (mechanismi): The food token in is involved in mouthbodin with the help of solition. As well as the food has been the demical substances which present on the food has been disphing in the solition. The chemicile which present is the salling then binds and sensitives the receptors which are present on the

tip & the microscopic taste lade. As well as the taste receptors are stimulated, As well as the taste receptors prove that the revues. The impulse (affored) from the receptors prove that the revues.

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> The treagetor stimulated in authors the third sends afforent impulses its the cords tympuric here and the receptors present in the posterior the third sends impulses via

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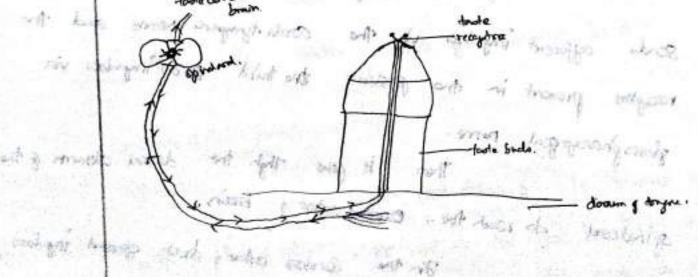
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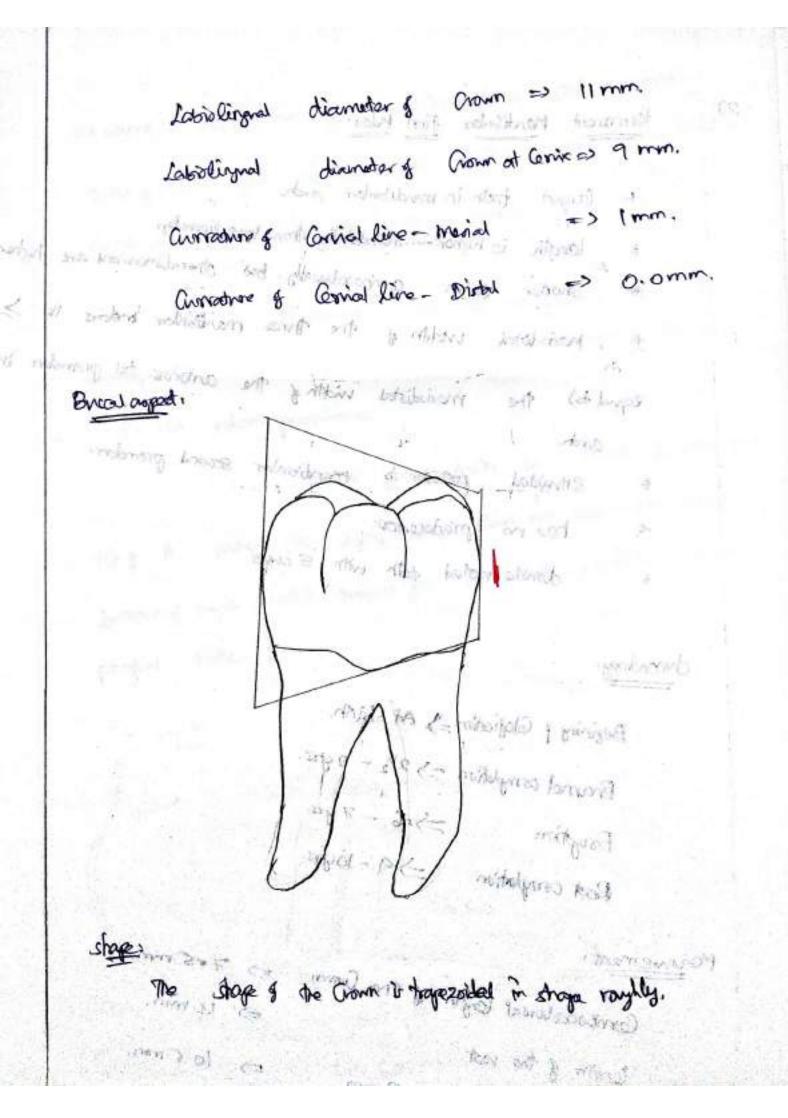
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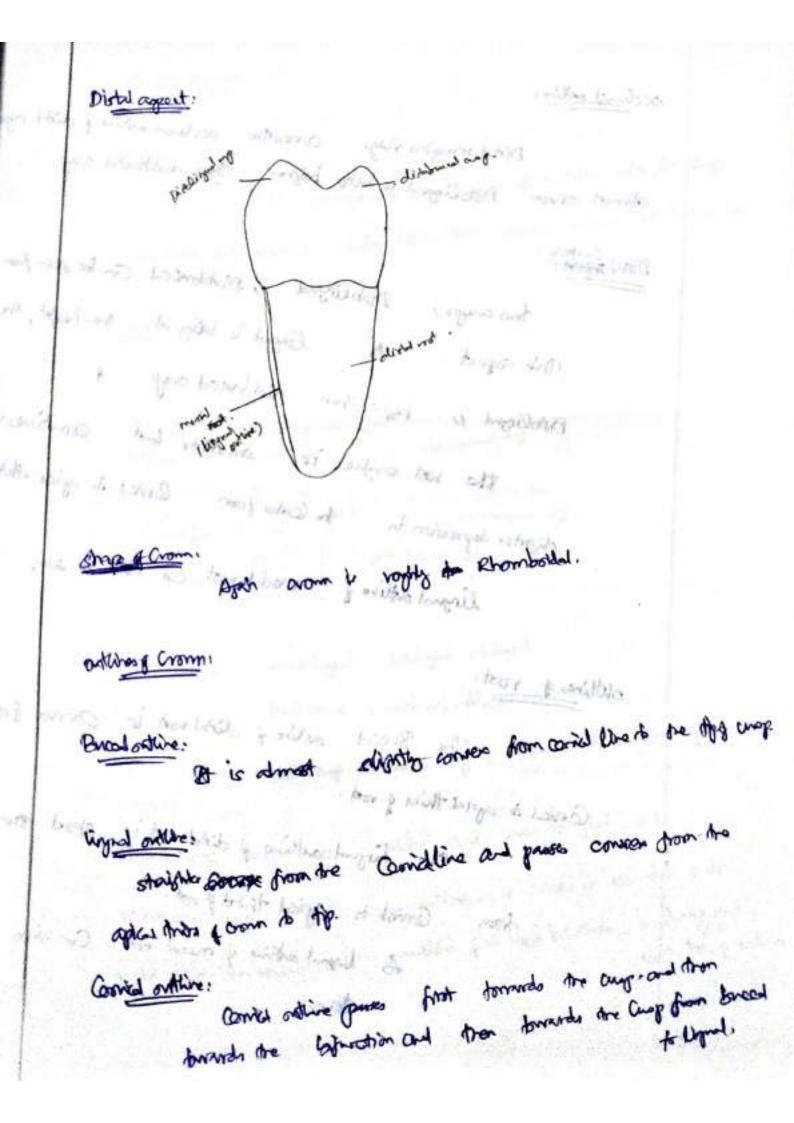
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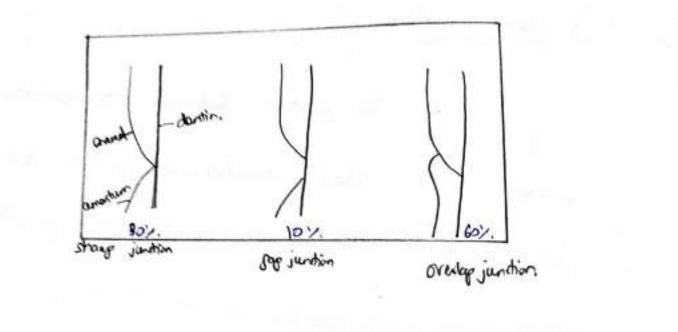
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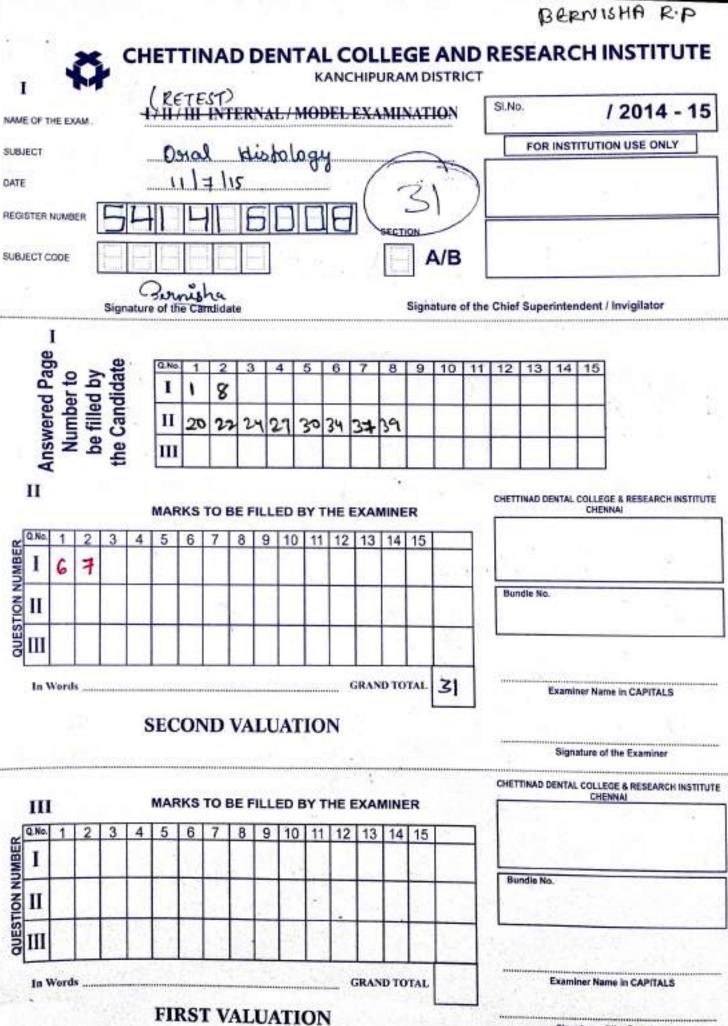
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Signature of the Examiner

Osal Mucosa classification : =) Masticatory Mucosa => Lining mucosa (03) => Refluting Mucosa. => Specialised Mucosa. => Masticatory mucosa oue present in gringing had palate and mandible =) -tining mucesa are in soft palate, lips, cheeks and floor of the mouth. =) Reflecting mucosa are in theeks, lips, lie of angle of mouth. Specialized mucosa: => Masticatory nuessa are sprindised mucosa they are present in ginging and hard palate. murosa present in dague =) Spectalised

Tonger: (specialised mucosa)

---sulleus termina tongue Anterios two. third of tongue.

») Tangue consist of body of borgue in Anderia two third and base of tongue in posterior are tried. Sulus terminai separate body and have of tongue.

⇒ Epithelial projection in the longue are culled papillae.

Papillae of tongue: i) Fungiform papillae i) filliform papillae ii) Lieumvallate papillae ii) Joliate papillae.

Ciumvallate papillae foliate papillae fliform papillae fungeform papillae acumvallate papillar: =) They are hocated in front of Suley teenince. There are 11-12 counvallate papillae. =) They are surrounded by deep circular fireow their connection to the tongue is only possible at nallow have. =) Numerous staste ibud rore present m the lateral surface of papillar. tendion: They help to wash the food element in the trough of papillar. They play majer sole in linguel Jepax sligstue enzyme. Aat hydeolyse Triglymide ik diggenides, monoglyweides, and emulify fat.

papillar.

M Filiform papillae: => They are thread shope =) They are fire pin pointed with cone => They are lived by stratified Iquamous keedinised spithelium =) They have no taste bud. =) They are found in the docum tongue AAA =) They are valuety.

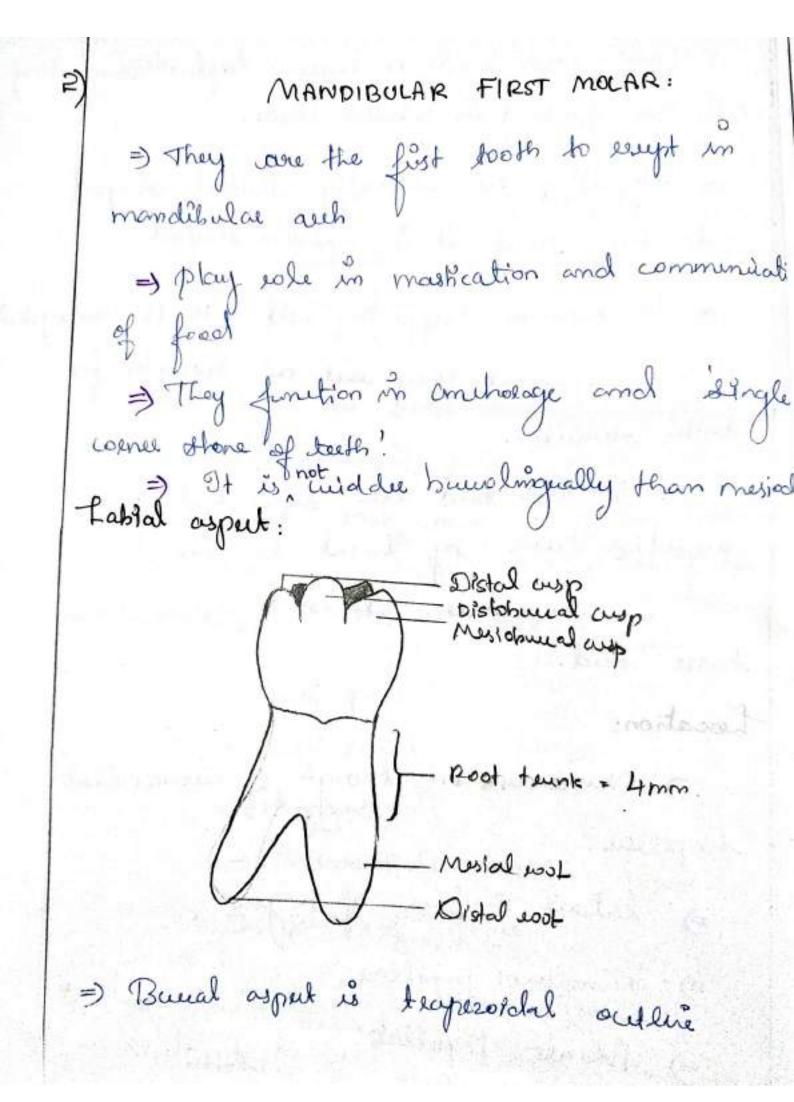
about steat 5 Fingiform papillae: =) They are mushroom shaped yapillar > They are numerous gredclish brown monument. prominent. =) They are lived by stratified squamous non keachnised epithelium. => They contain numeeous connertie tissue =) Taske hud wee present in fingiforn papi Foliate papillae: => Numeeous fold als present in foliate papillae. =) Inhetween fold taste hud are ples =) They are present in the lateral surface of longue. =) They are fried by stratified squam kuatinded epithebum.

Task hud; Dend deat for the cold > Taste bud are overal interestitutial Organ which contain task receptor. Densory nerret immerate toute bud. They are choseda tynpanie name from destailer two-third of hong ylossophasynged name and vages nouse. =) Taste pore 3 Taste Camal > Suppating all > Neussepifeilial cell 3 planus of Norme. ⇒ Task bud lead to small called task pone. opening

») Task pose leads to nareou space. Supporting cells are present in between them. > Supporting are initially based shaped > In between derprocking cell 10-12 Neurospiteal cells are present they are a receptor for taste stimulus. ⇒ Taste bud are deparated from. Numerous planns of neerie seach. Aaste bud. Location:

> Numerous on traigh of circumvallate

=) latual surface of bongere =) Fungijoem papillae. =) Foliale papillate =) posturoe part of epiglotti



Frue cusp are dean from this aspert > Misiohural cusp => Distobural cusp > Musichingual ausp > Disblinghal cusp => Distal Cup. » - Lingual cusp are soon breaux they are at longer lovel transfer brucal cusp. Size of evop: > Mesichne al cusp es mider mistally than distobuted cusp, distobuted cusp is uider than distal usp => Mestolingual and colistolingual cusp at almost are at equal to & distohueal cusp. Development geoove ⇒ Mesiohural Alevelopmental geoore ⇒ Distobureal alevelopmental groove.

Mesionnal development groone: It is the me of demarcation between mesionweal cusp ~ residenceal cusp.

Alstobural developmental groome: It is the of demonscration between destrobured cusp on alistal cusp.

Mistal outline: Messal outline concare at ceruial third and then concern.

Atstal outlie : It is steatget at current

Root: Two mosts are deen > Merial most and distal most.

»Root trunk is 4mm for fued »Mestal bund cusp is form bun one-third to nestal root.

Conside lie: Cermical bie is appeally dippedies towards root.

-Lingual aspect Mesiolingual cusp Distolingual cusp tingual postion of distal cusp. Three cusp are seen Mesiolingual aug Astolingual cusp lingual poetion of distal cusp. Development geoove: tingual developmental groom: IT is de hie of domaccation between misichingral and distillingual cusp. - lingual unpasse higher loud than hural usp. ligo ss'

Countral lie: Council lie is dipping toward root bifucation.

Mestal octhie: Mestal outfine is concare at ceruial third and concern.

Nistal outline: It is stratight at ceruical straid a then concern.

Root: Root trunk de som from this aspat » Developmental algression des seen in not defucation.

=> Musial root and distal roots are

seen. =) Mesial and solistal surface of violon seen.

MESIAL ASPECT

» Mesiobueral cusp and Mesiolingual a are deen.

=) Messal marginal sudge lies betw Messohneal and messolingual cusp.

Musio buual asp - Musiolingual usp Musial marginal ridge (•)A - Mesial root =) Bund outline: Bund outfine is containe at annual third and convern. - Lingual outhie: - Cinqual outhie & conven. Messally hundingual measurement is greater Hern distally. Mestal contact area is between cermial lie and messal aug top. Counical line is roughly I reegaal. Mestal duefare is broader than distal Sular. contact quer is bounder. mostal

> Mesiohural inp type is formed from hural one-third of mestal goot. > Mosiolongual cup tip is formed from singual one field of distal nost. Distal aspert. Bund Laund - Distal wasp Distolingual ausp Y. - Pistal proof. ») Two augs all deen distolingual ausp and alistal wasp. =) Convial fine is roughly Prlegelae. > Distal marginal vidge the between distological map and district cusp.

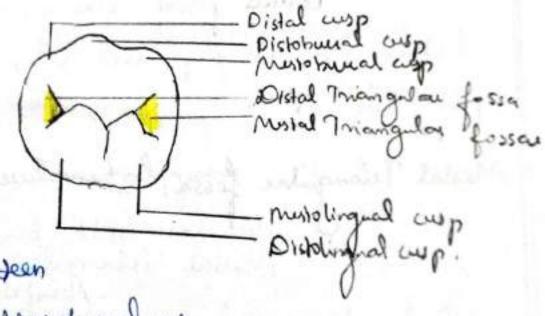
=) Distal contact area lies between cermial line and distal cusp tip.

> Bunal outlier is concave and then conven.

=) l'inqual outlie is concern.

=> Only one nost distal root are sen in distal aspect.

Occlusal aspect:



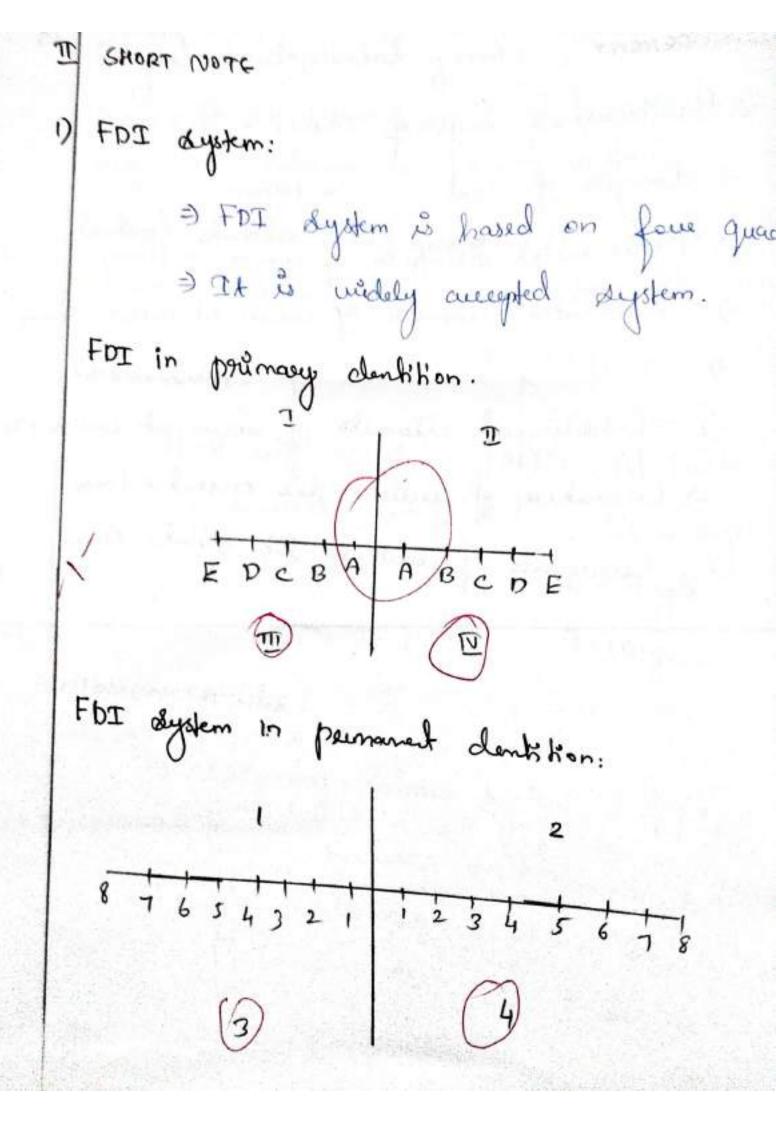
5 mgs are deen

- > Meriohued wp
- >> Distohural ausp
- > Distal wip
- =) Mestolingual wig
- > Disblingeal up.

It is widdee burs Mericalistally than burelinged

Fossae: Magon Fossa) Central Jossa, clistal fos Minon Fossa , Mestal Triangular fessa. colistal triangelai fossar. Distalpit. Contral fossar. Central fossore lives in concare area between punal was and emgral cusp. Centre put lus in it Mestal Triangular fossa: Mestal Triangular fossa lis abital to mestal marginal sidage. It is hounded by mestohulal cusp, mesioling cusp and alistopulal cusp. Mislal pit his in it.

Otstal Triangular fossae: It is seen mesial to alistal marginal ridge. It is bounded by distal w destable and and adistedingual cusp. Distal pit his in it. Developmental geoove: =) Mesiobuel developmental geoore => Distobueal development geoore => : Cinqual developmental geocre =) Contral alouelymental geore. Mesiohund developmental groove: It his between mesiohund and distobund aup and continue on bund duefare. Atsphered and distal usp and his in bund sufare.



Morits: > For system is easy to use I No signs and symbols are used is easily typing in Computers. Dide of treeth all available. => Alphabet are used in primary dustition to differ tinte from premaret almitition. =) It is widely areepted. Eg: In premanent durition. premament manillagy first molar is with ous 16, 26. Demeets : In Federal aystern alphabet are used in primary dutikion.

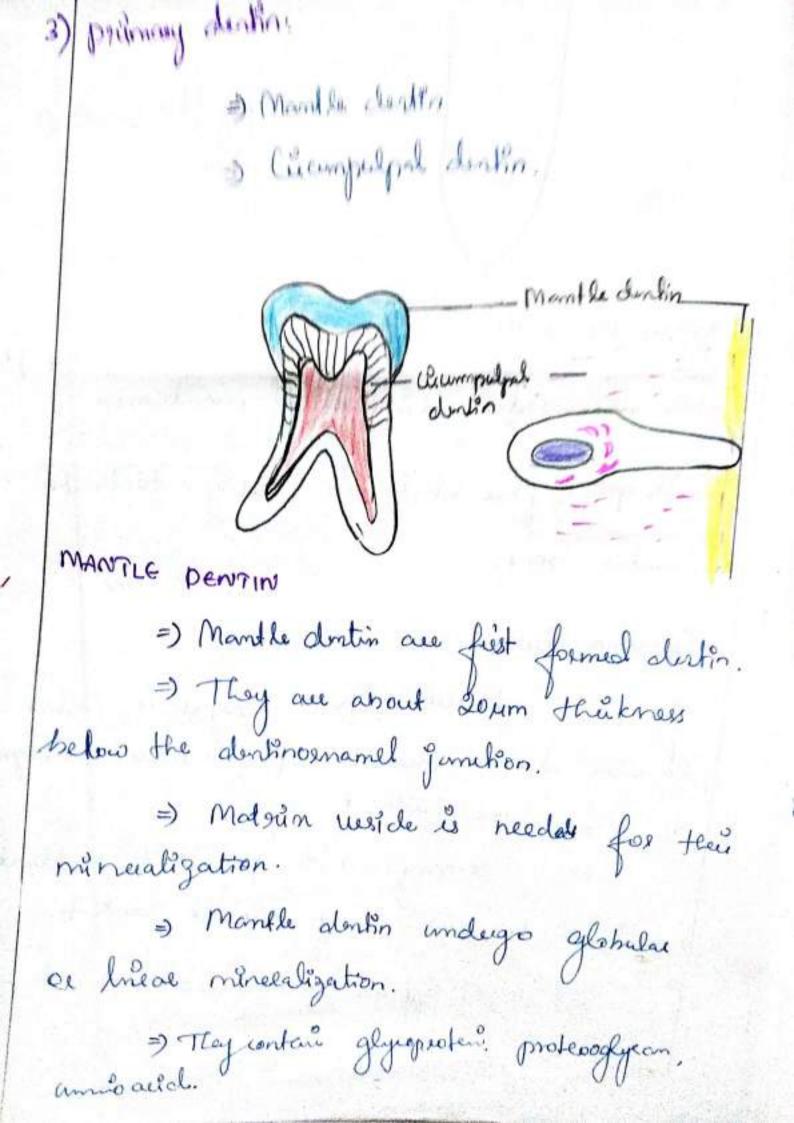
2) Bundle Bone: =) The place where principal fibre of pourodontal ligament are embedded! =) They are seen in area of neset and opposition. Bundle Bone rue numerous Shaepey's fibre. in bundle de fley are called bundle Bore > Shaepey's fobre case deen perpendice to the dueface of beeth. =) They are well mineralised in primary committeen and particully mineralised in secondary sepanstum. ») Shagpey's fibre all numerous in ser aluedae boue than commentum. de called alueblae bare proper.

- sharpey fibre - Construm S 12

⇒ when the thickness of construm is less shappey's fibre wass intre theileness of conentrum shappey's fibre help in broding tooth to alueolae bone.

hamma dura:

Aluelae pone proper is called lamina duora. Benause of increase endicognit of thick bone cuithout depta. X. vay which premit to prenetuate and not to show any mineral content. They are seen durening to tooth.



Monthe double d'iffer from ister quet of dutie in

- +) -11 my and Jorn research ports
- I matrice under is readed for their

milmescalle peck.

Monthe deaths cleare the crarks in Found

at long and. End to see performant of the series of the series and minutation and the series at long and .

Ciumpulpal denten;

=) The gremaining spart of dealer form the champulpal dealer.

») They undergoes globular minualization.

Clobelae mineelesation browth of capitals Deposition of caystal fusion of globular mars A single layer of globular mass is formed Apatile constale Initate mineralisation. ⇒ Cuampapal dortin is more minerliged when compared with mantle glentin they lies below the mantle dentis. =) Autompalpal dentier which form dent mation and undergo globular minebalisation

5) Principal fobres: - Alexeolar crut - Horizontal fibre - Oblique fibre Intenade undae fibre - Aprical febre. Alueolae crest: Alueolar orest entent from the cement Function: It quisit intquisive force, entrusive forme and Killing force. Honizontal febre: =) They are deen apical to alreadare crest

> They even at long anis prespendicular to 3 the dusper of frost. > They are parallel to the orchesion plane of which. timetion:- They result toping force and , 2000 Priquisive force. Oblique fiebre: they are numerous and only two-third of previodental ligament. Spall. Function: they sussist tiping force and vertical fabre => They are in coronal from the comentum to alueolar home at fley au den in ablique œuintation.

Apical fibre: They entert from the commutum to the root tip. Finction: They sussit lumation of teath. They provide tiping force. They protect the tooth from damag and profile provide blood uessel, neme and lymphatic vessel. Interadialae fibre: n They entent from the interead fula region to comentum. They are seen in multicated teets. Finction: prevent lunation present in fuecation avece.

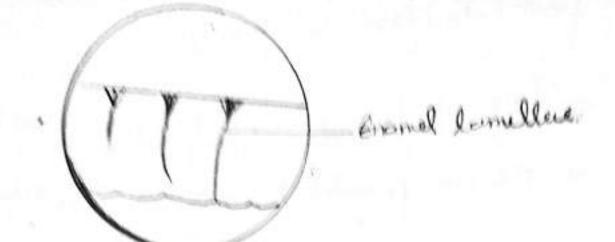
6) Aypocalified Atunhen of enamel. 33 49 3 Enamel Spindle =) Enamel tuff => Enamel lamellae: Enamel Tuft: ∋ Hypocaleified Atsutue of enamel appears as gears shaped structure called Enamel huft. They entend from the elentino enamel junition. =) Etypocalufied pubbon like Arufue arising from dentireenamel junction; Enamel Auft DEJ

=) Tufflin is the protein present m and enamel tuft. -) They are seen from outer 1/5th to inner Brd of thickness of enamel. => They are regular, periodical and frequent > They help in mechanical Interlacting between enamel and alentin. Enamel spindle:

ALA Enamel spindle Durkromo mel Junchon:

Teeninal edges of adaptoblast pieces the membrana preformativa and form erramel spindle. They are hypocaleified Atrentice. avising

from derithognamel junition. =) They are perpendicular to the odontobiast dinkin. > the are parallel to ameloblast, odontoblast =) done of the adaptional which princes the membrane performativa and reach amelablast will foin enamel spindle. clinical dignificance: Dental casés als more in the region of enamed spindle and enamel suff as they are hypocallified stemper. Enamel lamellalen. =) they are this sheet like structure course from tooth duefare towards the dentin.



- Type A: Aypocalifiel pool like afourture form the Type & Romellae.
- Type B: Organic motoin of dertical tubulo tamellar filled with calified House.
- Type C. Convellar: Saliney, protein form type C. Comellar.
- Dettay appear black in fransmilled fight. Type A lamellar seen in momel and Type B and C lamellas in aluntin.

occlusion:

undre :

=) Mustal stope of manillary carine actude with distal stope of mondifield comine I Dévide steps of manuflary comie achide with mestal slope of monditudes first poundar.

u 35

honalling fint malor:

3 Mestobueal cusp of manchibular Second rulas occlude with mestal meghal nidge of monullary decord metas 3) Distobural crop of mondifular second molal weekede with and contral fossa: of moneilfare decord motor.

Distribulingeral cusp of mandelular

=) Mestelingwah cusp occlude between fit and decord upper modal.

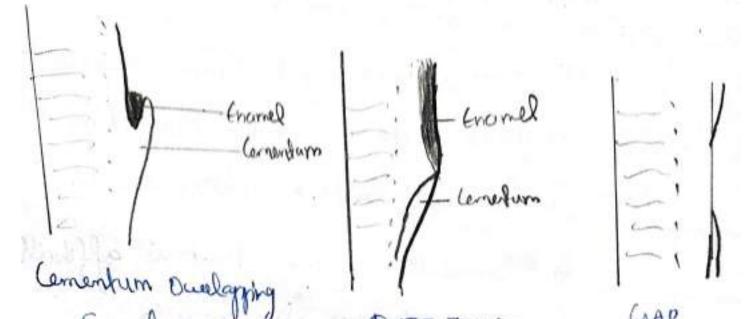
and the and the above house the

a some hundering in the second of the second second as

Among algorithm and an and and a realow

and an frait pucklismill

mento Enamel Junction:



Cementum Duelapping. CIAP BUTT JOINT Evand JUNCTION

=) Comentum and Grand meet in council poetion sat vouint point.

=) In 30% of teeth cementum meet enamel in shap point (BUTT JOINT)

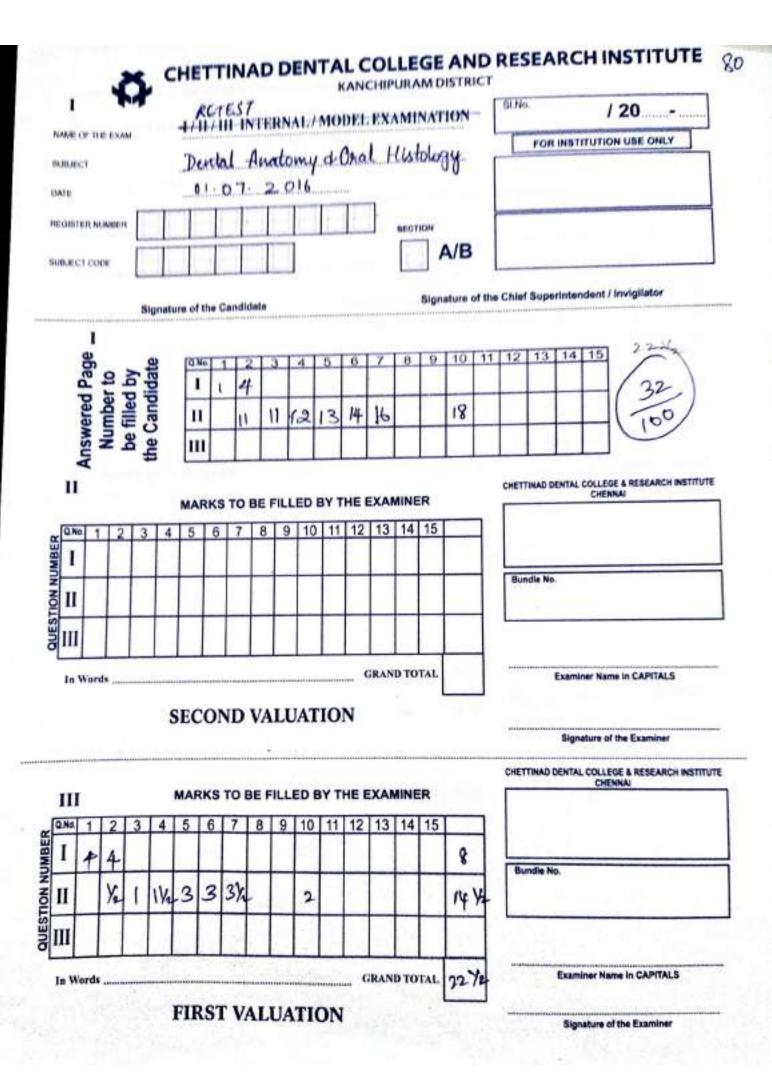
=) 10% of teeth commun and Ennel solves not meet. This is because encomel epsthetium islelaged its departion from der

=> There is no commontanement junction. => Instead a zone of east is devoid of commuter

=> In 60% of feets Comentium quelapping 16 enamel. This is because. > Inter enamel epitelium degereeat in ceruial poetson and connective tissue come in digreet contact with encimel. =) Connertine Kisser that is affibella Cemention alsposif sure its duefale. =) Also fiberlare comentum that is comentablast algorited which cause Secretion of commontum causes commontion ovelopping enomel.

=) In devidious treeth comentum and enamed meet in a shap point edge to edge.

» Decent studies found fourth type of CE junction that is enamel occeelings



Inclusive property property I Essay 1. Oual mucous membrane :-It is the soft mucous lining around the oral carity. It is classified as nucosa - lip, cheek, veetibuli, soft palate * lining mucora quagiva and hard palate * masticatoury nucles a -* specialized mucosa - dorwing of tongue which is a larger Mucosa of Palate Hand palate - It is no immovable non It consist of kinatinzed epithelium Encisive papit papillae spirituality pearly palatine nugae mont in suit The nucesa lining the herd palate is mastical

Incisive papip papilla hand palate with inferring H connects the part of nose. It is often concerned with Jacobeous organ. This becomes vestigeal at 12-13 weeks of gestation. It is more weeful and perominent is anima x manificalised managed as Palatine sugae incisive papillar to It extends becom the the hard palate. by horizontal process of It is covered Hand portate manillary bone. · marginal of the barriers antiput tiging evident Rporthelial peorls These are present in as the elemant of enand organ in the anterior and posterior

INCISIVE PAPILLA wite relation Jeway James of PAL ATINE RUGAE wide of Hand Palate is peraturged hence to withst and the marticatory force. Embryonic development of hourd palate is by the fusion of maxilloory and pionto naval perocess. It is lined by lining epitheliaun 4 It is non-kendinized. It has three layers of epith * Steratum basafe - These are alsoidal cells. with I * Steratum basque - These and much endoplasmic section have golgi complex, notochondoria, endoplasmic section polyhedral cells * steratum intermeditum - These are polygonial cells with flat miceus * steratum superfricence - These are columnar cell

2. Shedding It is the explication of deciduous teeth. The shedding of devolvow trooth tooth is due to the following reasons i) hois of most ") Lous of some 11) Reduced suggeneration of operturbial previociontal fibres iv) how of (noveased masticatory force the fourto transfer for some utility hoss of evot Root weakens Solar Ha Differentiater the esteoclast cells the solution of the second of the of the esterclart alls activoition iber augures plass and alle and performent is all resorption of the bone moderix occurs.

tooth govern weakens shedding Incortant. how of bone W Increased jaw growth And wantered d'Aquide born develops alreolou bone resorpe around the tooth at the nicentre modications force & space is created bestied subad bone formation accuss at periphery becoming bone reseption digner a ben econ PDL Flores bone formation belever needed content babushasa

11) Increased marticatory form Increase in jaw gero with e in matricatory torres. weakening of the deciduous teets decrease is capacity to withstand the maticalous force as ageing occur. 1) Reduced regeneration of preciodontal fibres. Increased jaw growth Increase in marticatory force PDL fibres dégeneration occurs reduced contact between rementant and bone.

tooth weakens reduced roch of negeneration of Fibres ... shedding of deciduous toeth occurs. Shedding in antonion dentition. As the jaw gerowth a occur. following increased masti catory gorcer, this occurs regeneration of periodontal fibrer. The posterior parmanent dentition is placed tingual to the evot of the proot of the purmary teeth weekens with encaceased beteo clastic activity occurs. Thus as the wear perimary dentition sheds the permanent

more buccally and occlusally and occupies the position of the perimony antonion. D lingually placed permanent dentition. schedding of decidences Shedding of ante posteriors The shedding of posteriors occurs in a slightly varied mannes due to the present of tipurcated east and multimost. Here the permanent dentition occupies the plan below the exot townk in the orrea of bifurcation in the perimany dentition. Hence as to the similar sceasons of Encreased masticatory forces, increased jour growth and reduced regenes ation the shedding of

the posterior dentition also occur. 9 Intially the root good nesogytion occurs is the area of biturcation; hence as the degeneration of perimary post occurs the permanents posterior moire more occlusally. The growing of permanent dentition also puovides touce for the shedding of perimany poetenwors. bony orypi. Permanent Perimary 1-2-00 J- 1- -3 toothing in M when h 2 - L bated i contrad Nervers reason 9 10-11 4 224 Minon Teething Percevision permanent teeth called Euro to on 06 (ensider and receive previoles teething. Salar Balling dentitionaria hay. M ari Wany Non- Astronomy centeral incisos 7-8 years Permanent _ 8-9 years. lateral inclusion Freemanny 4 Permanent

Pourmanent canine 9-10 years Permanent first pourmolan 10-12 years Permanent second pourmolan 10-12 years Permanent First molar 6 years Permanent second molar 12 years Permanent second molar 12 years Permanent Anord molar 12 years

Mandibular dentition. Permanent centeral incisor 6-7 years Permanent dateral incisor 7-8 year

Permanent canine Permanent first permolars

Permanent second poundars

Permanent front molar House

Permanent second molar his Pournament third molar 7 - 8 years 10-11 years 10-12 years

11-12 years

· Contational

6 year

18 years

18 year-

Medi Man

Short notes 2. Decalcified section - Decalcification is done to study the egt tissue componente. It is the perocent by which inong anic components are washed out and 12 organic components cere rectained. It was is used to study Pulp. I and the providence of man to eccu 3. A pical for amen migro. Loglag all. ni + It is found in eradicular pulp at the the apical region. * It perovides the entry for the nerves and blood versels forom the surrowinding dition of temperature tissues * It is thus responsible for sethe vascular supply and innervation of pulp.

Decale fred southers - Decales apical for american they with arrest france The increase in drameter of the aprical foramen may also perovide pathway for the baduia to occur thereby causing infection in the pulpat sugion. A pical for amon 4. Cuowe of Spree - it is named after the person who discovered it. It is a curve obtained I formed from the anterior teeth towards the posterior anterior of till the mandibula temp of omandibular joint The corve of spree

curve of Wilson - It was found by Wilson. On examining it by the porterior aspect of stull it forms a teriangular outline equilateral on all the three side be with the base by the too enged and left curve of space and centre set globella. Land Balling On examining the worker by posterior Equilatural triangle. Innervation of tongue:-Interally the presence The tongue is adivided by the presence of sulcus terminalis as auterior two third part postenior one third past and.

posterios most part. Contrad for Prairies The autorior two third is supplied by chorda tympani nerve for special sensation + linguel nerve for general semation. The porteenior one third by is supplied by glossopharyngeal hypoglossial nerve for both general and special sensation by vague nerve The posterior most by vagues neme. Q = OPOSTERIOR MOST B DOOD OF POSTERIOR INE SULCUS TERMINALIS ANTERIOR B to repus 1) = 1 2 1 2 1 1 E the power of the Althe the magne in making 6- Hunter - Schreger Bands These are alternate light and don't band.

There were are of vaccious width is and appear of oblique in suffected light. They are made of diazones and parazona. the two third of They are visible in when the office enamel Mickney. They are formed due to difference in mineralization and permeability. Most accepted \$ 5 concept is due to difference in the enamed rede orientation. During houizontal owns section of encunel the enanul modes toravels sught single to the surface of * The Junchion enamel. to the night and left movement of they appear in my light and datile band. Due bands the enamel east is cut in centre words travel perom the stegion of cut to hlhen the

water up in the digite is present thousage et et extraphi the regist prouse strap. appear as while bound of beaut costed as

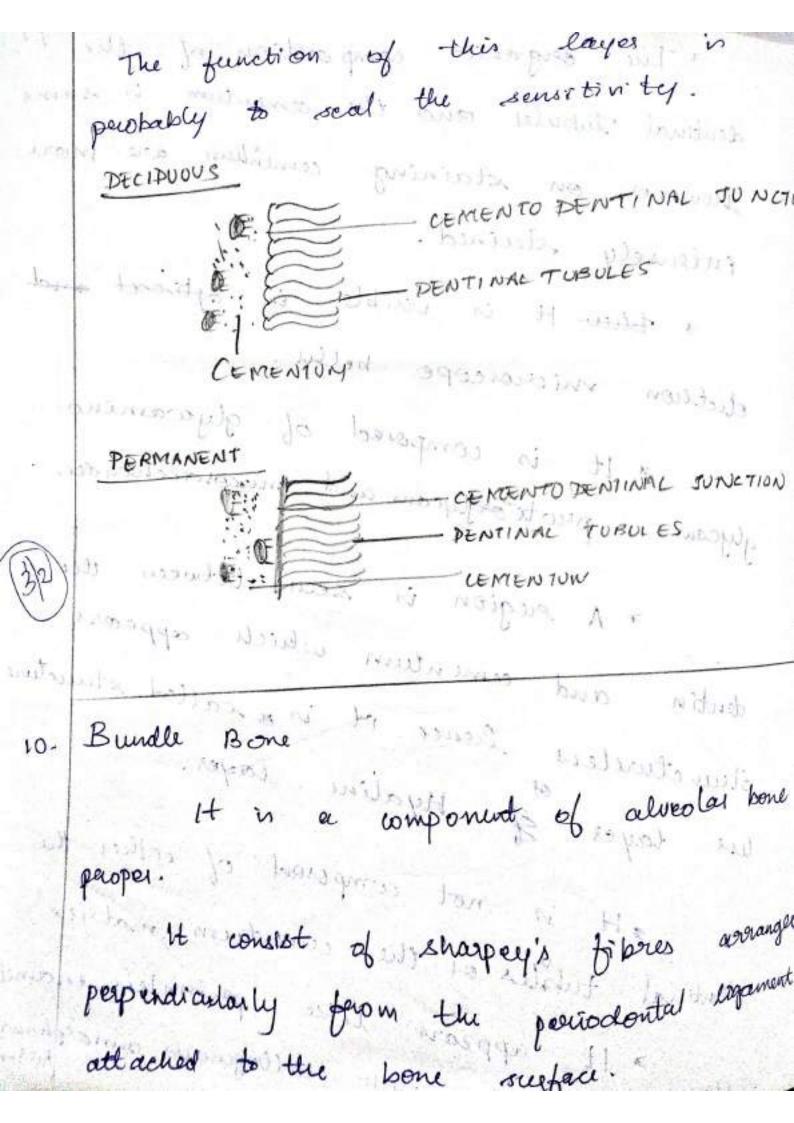
Detter Stanny when the optimal right in pressed in epprivite active from , the light a being supplicated way sinces and house they appear as

millected my rinds a are called diazones. tech-street where

7. Comments dontinal junction * The junction formed between commutum and dentin is called cements-dentinal junction. * It ap is scallsped, in deciduous dentition but appears as authi

punction in the poumanuel deubition.

* The organic composition of the 17 dentinal tubules and the comentant is same provever on chaining cementum are more Intensely stained. * then It is visible in optical and electuon microscope better. * It is composed of glycoamino--glycans, proteoglycans and mucosaccherides. = A region is seen between the dentin and comenteur which appears Aleur ctureless hence it is called steurcture. Un layes of Hyaline layer. , It is not composed of either the dentinal tubles of the comentum materix. » It appears like perismiless encemel since it is in non - collagenous anoephous term



It is averanged in bundles so the "9 name bundle bone.

Sometimes the bundle bon is absent

in alweolar bone peroper.

It is surrounded adjacently by

the ancellous bone. It is lined by lamina dura.

DUNDLE BONE - CANCELL OUS BONG

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SALIVARY GILAND

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* Definition

COC

* Introduction * Classification. * Screw same

* Murque racini

* Minical significance.

* Definitions

dalevoury gland is italicher, compound, meroevine gland which is present in the woral rewrity. The gland which is present in the voral rewrity which rewrites satira and vulated substance is called as valevoury gland.

Mary Albertamette

* Introductions

ilaters is a flitted yoursent in the mouth which helps to keep the weal switz in a most condition.

The primitive oral rowity is called us stomostrum. * Massification: Salevary glands (Beard ion location and issed . Menor walking Major satury glands -> Povioted gland -> Sulvmandibular gland > Buccal → Lingual > Alatal -> idublingual gland. > Labial > Jonaillar balevary glands. (type of acini present) Du Jakala - m Parsted gland (serous) * Submandikular gland (Mined) -> servis [par Sublingeral igland. (Minul) -> unucon [p

* derous vacine :

(i) Light measurage features:
* It is spherical / versilar in shape.
* It has pyramedial shaped arini
* The muchan is upherical and it is placed in the based 3rd of the article.

* The Jumen is narrow

* The presence of zymogen granules in the appeal portion of the acine.

* It takes up cosin and hemetonyten strin. (ii) Electron microscopte features:

> * Et vonrists of cytoplannic voyanelles ruch as wough endoplasmic week aitum, mitochondrie, lysozome, ite.

* It vonsists ab gap junctions, tight gastion und zone edherence.

* The two acini are attached together by

idessianal attachment. * BLOOD YESSEL ¥ SEROUS ACINI - SPHERICAL NUCLEUS A BASAL Shal ZUMOGEN GRAN CONNECTIVE TISSU SEPTA-SEROUS SALINARY GLAND. * It is filled with muraus i.e., rlumon is felled with unacous. * It secrets proteinacions valuetance and it immoors in nature (valera neture)., seleva in mattery thick. * The yourdy renow ylands care paroted gland wohen is major selevary gland and Non-Eburis gland is is insinor rativary gland which is present below the caumvallate papellae * There are 6-8 asing in a cell with bound line and pointed apen.

* Mucous racine :

(is hight me vouseopie features : * It is tubulere in shape * It consists of flathened muleus which is placed in the base of the asine * It has a larger lumer wompared to the server racine

* It takes up valcean where stain

(i) Electron increasoptic features:

* The nucleus is flat and placed in the basement because the subshipbrates present in the cell push the nucleus totosalds the base.

* The duman is also fre of mucau recritions winn the symagen granule are absent. * The waterior is watery in nature and made up of fets.

* The sublingual satisary gland is particully much is muraus (purely). - Mucous mini (Det - Flat mulaum 36 30 Cornecters. time Intercepted du - Blood und) * It has bound base and blimt apen. * Alinical application: A second for the second for ("1) Ptypliam average and the set manager white account conterrain the grade in tertility and did farmer wat

TOOTH MORPHOLOGIUS 46

working Julia

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prover and the second

- Syropsise * Introduction
- * Measurement
- * Chronology
- * Aspecto
- * Nonclusion
 - * Introduction: (8) The winth tooth from the midline of the idental week. (10) Those we totally two mandetsular first noter (11) These tooth help in martication (11) It is prove to dental carries. (12) It is rateo called as sin year toth. (13) Mardetsular inder size large mean destalls (13) Mardetsular inder size large mean destalls rempared to bucestigual. (970):

3 A TRADE WEAR (1973 * Manurement :

7.5mm length of the voicion lingth of the swot - 14 mm Miseodistal deameter of the y - 11 mm Maiodistal diameter of the y - 10 mm Buustergual déamiter of the y - 10 mm Buccologual déameter et the J- 9.0mm

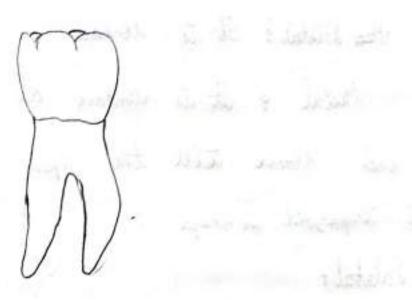
provide later * Whitehology: Valcification - 3-4 months Eremel completion - 1-2 years Eryption - 6 years - 8-11 years. Root completion (1) There is a state when a state of the sta

Remperied to burgering

When applied the set the set * Jooth unumbering: lineversel system > 31 FDI system > # 46 Zelgmondy Palmer > 17 Vitchboe Hadway -> 1-

* deputs:

(9) Buccale



* Buerelly it is inclined. * Medially : It is conven at the apen and it becomes somewhat concave near the remical yeartes. * Diabelly: It is conver at the apen and What gold till the rewind uportion.

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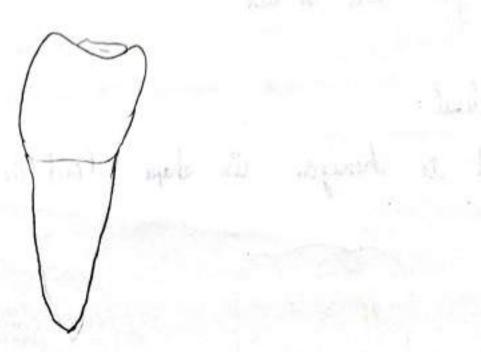
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are sun open the appr * All the fore curps at the nomical yearton a * The volital groot @ 11 Didal : It concave ronven and it is used it gradually becomes midline to chow that is inclined towards the It to concerr. mically includ. Mestale The mutual root: Her Dietal : It is concave. Maial & It is concare at the concil uporteen and normer stell the agen and telted + It is traperoid in shape. * Ligne Paletal :

* St multiply conclored * St multiple and distal rede are remease at the reversed porteon and remain at the apecal porteon. * Root: Medial: The root is matered destally. Distal: The root is outside the contact

- Beelson

* Merial :



* Three rusps we seen from this aspect. * Only menial noot is our in this aspert.

* Distal: this agreet. * Three cusps are seen brom * single root is seen. * Occlinal : in shape (out the). It is henagon At has two trangular focase and thu grooves which terminate in a pet.

White motor on: Victor Madoury systems PERMANENT PENTITION 7+6+5+4+3+2+1++1+2+3+4+5+6+7 7-6-5-4-3-2-1--1-2-3-4-5-6-7. versatte diturary daily (id PRIMARY DENTITION . 50+40+30+20+10+ +01+02+02+04+5 day. 50 - 90 - 30 - 20 - 10 = -01 th Red me EtD + C + B + A+ +A+B+C +D+E E-D-C-B-A- -A-B-C-D-E. Jormation of root: Jersia. Al 1) - Aprical Igroumen revial loop

Inner enand expethetism your with outer enand up and entered still the end to the constant loop a the end and it bues to been the apical boy and root forms. Root growth theory. Muit : (1) Root yours till the formation of the booth cercuption. US vonly when the root grow it hits a the back substance called bone and helps chapter. 933. It states with the connectors tissue supta and that flued helps in the erupter

* Demerito: None after the woon is completed only brot is completed after 2-3 years. So this is a megor demert. Decaleofcations

Decaleofcations soft tissues which cannot be istudied maining other methods lean be studied many durchagication method. The booth is put in a deral cification meeting the inorganic indestance gets degrached and organic 20% of wellattime remains We remaining vulestame after decalcibiants

Alimatiate committees Q. * It to also called as Haline certologe of the and smith. -s store have a (r)Norma of spece and monage. 100) and the pictores Ŋ / Rum of spa. D B Murrie of monson. Allen State decision

dleund bodies: * It is smill meansacopec structures present is kiratenizel epsthetium. NAMEST the * It was discould by the odland in 1838 French scientist. a

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ORAL PAT HOLDGY. ESSAY : FIBED - OSSEDUS LESIONS: ETIOPATHOGENESIS * Fibro-Osseous lesions occus with the bone and inware in growth hormonus and cortisol and precaucious To the pull publicity. deformity. * If the osteo blast are affected it causes deformity in the growing bonus forming cafe-au-lait. * If the osteo clasts are affected it came deposity CLINICAL FEATURES: The Fibro - Oscow lesions The Fibrow Dysplasia in divided into four type : * Monostotic Fibrow Dysplacia. * Polyostotic Fibrous Dysplaina. + Graniafacial Fibrous Dysplacia *. Cher uhism

* MONOSTOTIC FIBROUS DYSPLACIA, -> TH occurs mainly in 80 - 70% to the Polyadolic Fibrows Dysplasia. -> The affected site are: remain, ribs, humerus. -) It occus mainly in age of 10-30 age group -> Increau in size of monital shows leonital appearance * POLYOSTOTIC FIBROUS DYSPLASIA: -> It ocur in 30-40% - The situ involvede are: Femue, Fibia, burnum. should bones, rits, upper extremities and claricles - The structural deformity occurs with the weakening of the bonus and the weight - bearing bonus are bowed. Some are bowed. (cale-au-bait sp -> 2 types of synchronice involved: • Jaffei synchron + CRANIOFACTAL FIBROUS DYSPLASIA: + CRANIOFACTAL FIBROUS DYSPLASIA: + CRANIOFACTAL FIBROUS DYSPLASIA: -> It involves: The Ethmoid bonus, spheroid maxilla and the mandible, temporal bonu. -> There will be blindness, diplopia. exophthalmos due to the involvement of the refinal bonus. -> Hearing loss occurs due to the involvement of the spinot dal bones.

* CHERUBISM -> chembism occus mainly in children . -> chembism occus in male gendu. -> Mandible is being affeiled -> Mandible is being affeiled -> The Defect is end when children become adfundults'. RADIOGRAPHIC FEATURES: * The Radiographic feature show a appearance. ground glass appearance os C-shaped appearance. * Cotton cuell appearance is also been. * Paul d'orange appearance is seen. HISTO PAT HOLO GIC FEATURES: CONNECTIVE TISSUE. FIBROUS DYSPLASIA. (BONY TRABALULAE). + There are many connective tissue seen. * Bony trabaculare are seen. *. The osteo blasts are seen and osteo clast are sun.

TREATMENT * A small lession is removed by the surgery. * A large lesion cannot be removed by surgery. SHORT NOTES . 1 BITE MARKS : 11 Bite marks are the induvidual tooth markings that form an evidence. USES OF BITE MARKS . * Bite marks ar und evidence to the victims of the criminal records of the animal billings. * It shows the specific tooth significance. The Bite marks are analyzed wing casts, Impression moulds and dentines. ANALYSIS OF BITE MARKS : * Confirmed Analysis. * Partial Analysis. +. Undefined Analysis. functional to an and the stand offer

12. <u>Ludwigs</u> Angina is the seven form of cullulitie. * It involves all the space - submandibulas. sublingual and Submental. * If all three submandibulas space. * If all three submandibulas space. Sublingual space and submental space is involved Sublingual space and submental space is involved H shows the true Ludwigs Angina.

CUNICAL FEATURES :

* It occus in old age. * No age predibition is seen. + The enlargement is painful, shiny. faut, tendunies is seen. * the enlargement involves the neck which to along with the clavicle causing the stiffnus of nick. * It involves the neck causing the tounque enlargment causing breathlennes. soft palate, tonillar areas. * The taim is sugthemators. +. The ill patients suffere from dehydiation and instativation.

* The patient may had to dead alue to sufficiation . ETIOLOWY:

* Ludwigi Angina is materly caned due to the strepto coccus. gram negative organismi. Staphylo cours, acrobes: Ecoli and Pseudomonas, Bailinoder and Peptostreptococcus and Bactésiode oralis and Bactériodes melaninogenius. * Ludwigi Angina mainly occus in the mandihular molars. * They spread ipsilatually in the sublingual * They spread along the opposite side of the sublingual spaces and then to the opposite side on the submental space. * This infection spreads to the submental space and there by causing Leedwigs Angina. TREMOMENT:

* Patient is kept hydrated of fluides + Surgery is done - Trachiactomy is ordes to swoid sufficiation.

Sugar Contraction and the

in a later of the second of th

PINE TODTH OF MUMMERY: 14. Intunal ruorption occus incisons and premolau. Occurs alou to the infiltration of the inflamatory alls in the center of the tooth. DEFINITION : CUNICAL FEATURES : * Internal recorption dems mainly in * No age predifiction is seen. in the * The center of the tooth becomes suppled. age 30-40 . * The tooth changes from procen to blue colour. & the supption our in the apical region. & The resorbed area contains the blood acumulation and they become more red and is called ous the pink tooth of mummery. INTEENAL NTERNAC RESORBTION RESORPTION. PINK TOOTH

RADIOURAPHIC PEATURES: * Revorption in the apical region is seen. * Radioluceny in seen which is ment on the revorbed area. TREATMENT: * Rulpectomy is done. +. The tooth is even restored or replaced. Pulp prognosis poor where as the footh prognosis is good after the endodontic treatment. PeociNosis: 15 DRY SOLKET + Dry rocket ourse in 2-4 days after the extraction and subside in 7-10 days. * Dry socket ocurs due to the Fibrinolysin & Plannin coliperdiat : Tooth extraction Snoking, Oral Oral Pagelis J Tobacochuwing Contrauptive Diman ischemic Luit Fibrinolysin & Fibrin production Filmolyin Aihrin.

1. <u>Plasmin dependent</u> Plasminogin <u>Insyme</u> Plasmin , Solutil Insoluble Figning in -2 Plasmin Independent: + Day rocket is painful. the is diagnosed by prohing but may + Dry rocket is identified with the bory the pain is sub no subsided. the pain is sub no subsided. the socket gets more infected due to food lodgement with sever pain. food lodgement is maile to avoid the \$ The inter is maile to avoid the \$ dood lodgement. food lodgement. * Once the geanulation time is identified the suture is removed. * The socket is covered with worm ratine socked in cotton PERMAENI Warm saline with chlorhexidine month wash 1's suggested . for theme

ROLE OF EXFOLIATIVE CYTOLOGY: + Explicitive cyblogy is med for the painter, quick and no blood is involved. 16 -* It is gives a confirmatory to swalt in false biopey: * It is less espensive. METHO Inted is scraped with a incream stick. * The ice war stick is immediately made in to a smear. fixative and is kept for 3-5 mins. I Then the smear is washed and duied to find results. lytologic smean is graded under class I (Normal): Thue are normal ulle. clase & (atypical): There are normal cells with a typia, Malignant ulls are not found. No hippy is required. class in (Inturnediate). This on both somal and malignant alle. Biopsy is suggestive in this class IV: (Lygestive): The are malignant ulls Clarry: (Positive of canus). Cells are all makignant and Biophy is mandatory.

HNPERCEMEN 90315 M. called one the hypercementaris. DEFINITION CLINICAL FEATURES * Ocure it old age . * Ocuri 10 hoth male and female. * Cementum is aurmulated to carring irregular bone formation . * Tooth formation is irregular. * Tooth is stightly above the socket. * The both is mobile. RADIO GRAPHIC FEATURES: * Radio opacity is seen with cementium from the att almolar home. ENAMEL DENTINE . PULP CEMENTUM - ALVEOUAR BONE

18. VINCENT'S ANGINA * Necrotizing colourative aingivitie is also called as the Vinunts infeitim. The lingivity li * Inflammation of Cingiva with uluration and necrosis of the gingiva is called as the Nerrotizing Ulkerative gingivitis (NUL). * It is also called as trench mouth becaus it is caused in the soldiers. and * It mainly caused by the Spirochets. SPIROCHETES . * It directly affects the saft tissue of by causing inflammatory searchim. * Inflammatory reaction includes Lucoupter, mail ulle, macrophages.

CLINICAL FEATURES : * It mainly beins in young adults. * Male is mostly affected. * It is painful, crythemadous gingiva. * It is painful, crythemadous gingiva. * Toul xmell, profine salivation with metallic * Foul xmell, profine salivation with metallic taste is seen. *. The gingiva is Enflammed, neroud and is painful. +. It is absociated with periodontilis Denning Neurobising Manative Periodontilis. TREATIMENT: Penvillin V 100 02 200 mg thrice daily for 14 days Bone due to radiation. OSTED ADIO NELEDSIS : 19. * Irradiation of the 6 after surgery, before Broadiation due Broadiation due * Use of prosthette appliance during adiation. * Immuno supprised patients. * Immuno supprised patients. * Immuno supprised patients. ETIDLOW * Radeation of footh entraction before healing.

PATHOAENESIS Radiation thurapy. Tooth entraction Aradima, radiation Necuosis of bone. Seguestium of bone. Susgical removal of the sequestration of TREATMENT the bone. HSTOPATHOLOU' SEQUESTEUM OF BON . NORMAL BONE. CONNECTIVE TISSUE WITH INFLOMMETOE LEUD.

