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PAPER DENTAL MATERIAL

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Qno: 1) USES OF Calcium Hydroxid Cements Answes - Calcium Hydroxide Cement Perform the => following functions Endo dontic Seales :-To be Thesa pentically CFFective Calcium hydroxide Cement must be associated Anto Catt and OH. These fore to be effective an endodontic, Seales · based on Calcium hydroxide must dissolve => PulP Capping Agent :-=) Calcium hydroxide is generally accepted as The material of choise for pair Caping, histologically There is a complet dontinal bridging with healthy radiculas. puip undes colcium hydroxide dressings. => APexification :-=> In aperification technique pulp (ana) is (Leaned and disgnfected, when tooth is free Of Signs and Symptoms Of Infection the Canal is dried and filled with Stiff mix of Calcium hydroxide and MTA, histologically There is a formation of asteodentin after placement of Calcium hydroxide paste. > Pulpotomy: =) it is The most recommended pulpotomy medicament For pulpally grupolued uital young permanent tooth with gncomplete apices. A pupptony is a Gernoval Of a postion OF the pulp gncJuding diseased aspect. WEEPing Canal: FOO Such teeth day the canals with stepile absorbent paper points and place calcium hydroxide gn calcium, calcium hydroxide converts The acidic PH Of Peripical tissue on the weeping Canal to basic pH.

Ono: 2 Properties OF MTA Answers: - Initial PH OF 10-2 which arise 12:5 Following Setting the high PH is theorized to be Sesponsible for The antimicsobial action and biological activity. Or the materials. => working time 5 minutes. => Detting time 3 hours - 08 20 minutes. => Solubility MTA displays low or nearly no Solubility => Compressive Strength + Of Set MATA is about formpa Biocompatible. => => good Setting ability. => usually a Thickness OF 3mm to 5mm is sufficient > Retentive Strength: MTA is not Suitable as 1- 2 Luting agents.) Manipulation and Setting Seaction OF MTA: he MTA paste is obtained by mixing 3 parts Of Powder with one past OF wates to obtain Putty like Consistency. mixing can be done on Paper or an a glass stab a plastic OS metal Spatula. Ising MTA has a PH OF 10-2 Immediately OFter mixing and grossease to 12.5 after 3 hours OF setting which is almost similar to Calcium hydroxide. MTA Take longer time to set compased to any other material The exact time taken to set varies between different Studies. MTA being hydrophilic dequires moisture to set. absolutes dryness contraindicated, presence of moisture during setting Improves the Florusal Strength OF the Set Cement.

Qno:3: Manipulation OF amalgan :-Answess :- Trituration is of The "Process by which meseury is allowed to seact with The alloy powdes This procedure allows The subbing of the surface Oxide an amalgan pasticles have two process. Hand Mixing:-The disposable Capsule Serves as a motor Some capsules have a cylindsical metal 08 Plastic . Piece In the Capsule, which serves as J. Pestle Reuscible Capsule which Serves as The paste. => Mechanical Mixing :-=) A glass mostal and pestle is used. The mostas has an its Innes Surface Soughened to Increase The Friction between amalgan and glass Subface Carborandum Paste. =) Indications:-> Restoration OF Posterior teeth => : In Some Cases Sestoration distal surface Of the conine. Closs u preparations. Class vi Preparations. Core build up for badly broken down teeth In r the Posterior teeth. Contrain dications :when esthetic is Impostant. => patient have a history OF allergy to mescury or other amalgan components => Remaining tooth Structure requises Suppose => toeatment OF grappient of easily primary fissures Carries.

Composition OF Galcium Hydroxide:-Accelators Paster . => =) Alkyle Salicylates 36-424. => gnest filles - titanium Oxide 12-14t. => Basium Salphate - 38-351. Catchim Sulphate 14-154 =) Base Paste :-5 Colcium Hydraxide 50-60% =) Zinc Oxide 10% => Zinc Steasate O.Sr. => Ethylene toluene Suphonomides and praffin =) 019 39.5%. 1 =7 =) ADVANTAGES :-Initially bactesiaidal than bactesiostatic. => promotes healing and sepair. =) Stigh PH Stimulates fibroblasts. =) Neutolize low PH OF acids. => Stops Internal Resorption. Inexpensive and easy to use. :2 =7 DisAdvanta GES:-=) => Does not exculosively Stimulate dentinogenesis. => Associated with primary tooth Desorption. may degree dusing acid etching. Degrades upon tooth Flexure. marginal failure and amalgan condensation. =) Does not adhere to dentin or desin destoration. 2) 2) 2)

Gno:5 Components OF Composite Kesin: 6 31 4 Answess: followings are Some OF The gonportant Components :-=> matsix. =) / Fines. => Coupling agent. => Quiling agent. =) Initiatoss and accelatoss Pigments. =) Resin Matsix :-=> Bis-GMA (bisphenol-A glycedik methacoglates. => UDMA (usethane, dimethacylates) ==> TEGDMA (Tsithylene glycol dimethacsylates) =) Uses OF Composite Resins :- .. => Flowable =) Condesable. => Flowable Composites =) Hos a Bedaced filler contents to make the matesial " Flowable" =) Indicates for Class I restoration In ginginal Class. => Used as a pit and fissure Sealant. Gondesable Composite: =) =) Has a Filler That Inhibits the filler particles by sliding to one another => Stiffer, thicker feel. 3

