

QUIZ #3 (B) D360 RESTORATIVE DENTISTRY

NAME: \_\_\_\_\_

SEAT# \_\_\_\_\_

1. Which resin has these advantages: good polishability, minimal exothermal heat increase, good strain resistance, low shrinkage.

- a. Poly (ethyl methacrylate) *Snap*
- b. Poly (methyl methacrylate) *Jet*
- c. Poly (vinyl ethyl methacrylate) *Trini flexite*
- d. Bis-Acryl composite *protung*

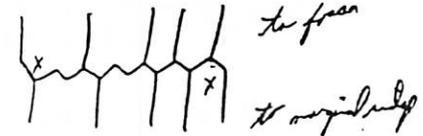
*third  
two  
protung*

2. "Jet" is a \_\_\_\_\_.

- a. Bis Acryl composite
- b. Poly (vinyl ethyl methacrylate)
- c. Poly (ethyl methacrylate)
- d. Poly (methyl methacrylate)

3. The maxillary lingual <sup>*slp*</sup> cusp of the distolingual cusp of the second molar of an angles' class I dentition should occlude \_\_\_\_\_.

- a. Central fossa of the second molar (mand.)
- b. Distal marginal ridge of the second molar (mand.)
- c. Distal fossa of the second premolar (mand.)
- d. Distal fossa of the first molar (mand.)



4. The mandibular buccal cusp of the first premolar of angles' class I dentition should occlude \_\_\_\_\_.

- a. Mesial marginal ridge of the first premolar (max)
- b. Central fossa of the first molar (max)
- c. Distal fossa of the first premolar (max)
- d. Mesial fossa of the first molar (max)



5. After full wax-up or cut-back of the wax pattern; one should be able to remove the wax pattern and replace it without deforming the pattern. If deformation occurs undercuts of the prepped tooth could be the cause.

- a. False
- b. True

A

D

3

A

B

*Handwritten scribbles and initials*

6. Die relief material is used to \_\_\_\_\_.

A

- a. Allow space for cement in the final pfm crown
- b. I.D. margins
- c. Strengthen the die
- d. Color the die

7. A thin layer of "superglue" is applied over the master cast die to \_\_\_\_\_.

D

- a. Eliminate undercuts
- b. Wax-up the undercast easier
- c. Highlight the die
- d. Strengthen the die

8. When highlighting the margins on master cast dies a graphite (pencil) marking is not used because it \_\_\_\_\_.

D

- a. Won't show-up well
- b. Smudges too much
- c. Introduces impurities in the metal crown
- d. Introduces impurities in the wax-up pattern

9. When designing the undercasting of a pfm; it is important that the cutback wax pattern is of proper thickness or lack of rigidity can occur in the finished restoration (crown). Select the answer(s) that depict problems resulting from the aforementioned.

- a. Fractured porcelain
- b. Unesthetic Porcelain
- c. Over applied porcelain
- d. Metal Fatigue

*write the answer*  
(3)

10. How many microns are considered accurate for an accurate cement joint between a pfm crown and a prepped tooth margin (marginal gap)?

D

- a. 40
- b. 35
- c. 30
- d. 25
- e. 20
- f. 15

Name [REDACTED] Seat number F6

Restorative Dentistry III Number of correct answers 10

Quiz 3A 11/06/01  
Answer 11 questions in ink. Graded by: Z

Give two indications for a MOD onlay.

fx  
teeth  
lost  
L.

1. Failure of previous MOD restoration (FL thickness is  $\frac{2}{3}$  the distance from central groove to cusp HF)
2. Broken down teeth with intact buccal + lingual cusps.
3. How does an onlay preparation on a mandibular second molar differ from an onlay preparation on a maxillary second molar?  
2<sup>nd</sup> mand molar - shoulder + bevel is on buccal cusp.  
2<sup>nd</sup> max molar - shoulder + bevel is on lingual cusp. *on frn!! cusp!!*
4. What is the desirable metal angle at the margins of onlays?  
 $30^\circ - 40^\circ$
5. Why are "skirt" extensions sometimes included in onlay preparations?  
improve retention + resistance

What are two types of acceptable functional cusp finish lines for MOD onlays?

6. Shoulder with bevel
7. chamfer (heavy)

State two major advantages of glass ionomer cements.

8. Bonds to dentin + enamel
9. Fluoride release

10. What effect does zinc oxide-eugenol have on resin restorative materials?

inhibits polymerization.

Corrected

Name [REDACTED]

Seat number [REDACTED]

Restorative Dentistry III  
Quiz 3B 11/08/02

Number of correct answers 11

Answer 11 questions in ink. Graded by: \_\_\_\_\_

1. What type of porosity is produced when an oxidizing flame is used to melt Type III gold alloys.

Occluded gas Porosity

Give two methods to gain more retention when it is judged that the onlay preparation needs addition retention form?

2. Taper wall (2° Taper)

3. Groove in The Proximal Box

4. Extension of Surface groove

5 - also add skirt; collar, slot

4. How far should skirt extensions extend facially and lingually?

To The Proximal line angle. From the Proximal flares.

5. What is the desirable range of metal angles at the margins of onlays?

30° - 40°

Give two indications for a MOD onlay restoration.

6. When The Isthmus is too wide  $\&$  For Broken tooth with intact Buccal & lingual wall

7. For an Endodontically treated tooth with Sound Buccal  $\&$  lingual walls

8. According to Shillingburg, how wide should the gingival bevel be on an onlay?

.5 - .7 mm

9. Give one cause of shrink-spot ("suck-back") porosity.

- Sprue is Too Thin  
- No reservoir included

10. What bur does Sturdevant recommend for occlusal reduction when preparing an onlay cavity.

2/1 Bur by Sturdevant  $\&$  Round end Taper by Shillingburg

11. Inlays and onlays should not be used as fixed partial denture retainers (abutments).

True

False

Name \_\_\_\_\_

Seat number F-8

Restorative Dentistry III

Quiz 3A 11/08/02

Number of correct answers 11

Answer 11 questions in ink. Graded by: Corrected

1. What bur does Sturdevant recommend for occlusal reduction when preparing an onlay cavity.

~~Round-end tapered (finishing with a carbide)~~  
Arrow no 271 carbide

Give two indications for a MOD onlay restoration.

2. wide isthmuses <sup>(2-3)</sup> with a failing MOD amalgam prep.  
w/ B/L cusps intact

3. An endodontically treated tooth (b/c <sup>much</sup> too structure)  
w/ intact B/L cusp

4. How far should skirt extensions extend facially and lingually?

just beyond the transitional line angle

5. What is the desirable range of metal angles at the margins of onlays?

30°-40°

Give two methods to gain more retention when it is judged that the onlay preparation needs addition retention form?

6. Skirts

7. ~~enamel~~ grooves

8. According to Shillingburg, how wide should the gingival bevel be on an onlay?

~~0.5 mm~~ 0.5 mm

9. Give one cause of shrink-spot ("suck-back") porosity.

Spur to thin

10. What type of porosity is produced when an oxidizing flame is used to melt Type III gold alloys.

occluded gas porosity

11. Inlays and onlays should not be used as fixed partial denture retainers (abutments).

True

True

~~False~~

Name \_\_\_\_\_

Seat number \_\_\_\_\_

Restorative Dentistry III

Quiz 3B 11/26/02

Number of correct answers 10

Answer 10 questions in ink. Graded by: \_\_\_\_\_

1. What effect does zinc oxide-eugenol cement have on resin restorative materials?

Inhibits Polymerization of the resin material

Give two disadvantages of the resin-bonded fixed partial denture.

2. Bond Failure

- Irreversible  
- uncertain longevity

3. Esthetic (graying of the Incisal)

- No space correction  
- No alignment ~

4. Hard to Provisionalize.

4. What agent accelerates the setting of zinc oxide-eugenol cements?

H<sub>2</sub>O → Acetate

Zinc Salts

5. According to Dr. Yearwood, how much gutta percha should be removed from the canal when preparing a tooth for an amalgam post and core?  
(State answer in millimeters)

4 mm

Give two advantages of amalgam posts and cores compared with other types of posts and cores.

6. less fracture to the root or perforation

7. Quick you can finish in one day

- Conserves tooth structure & cost effective

8. Why is a keyway often placed in the orifice of the canal when the tooth is prepared for a cast post and core?

To prevent ~~anti~~ rotation & also for retention &

To prevent breakage because it fills the other canal.

Give two advantages of glass ionomer cements.

9. Release Fluoride Ions

(anti Cario-genic)

10. adheres to dentin & enamel

Translucent



1954

Dear Mr. [Name],

I have your letter of [Date] regarding [Subject].

The information you provided is being reviewed.

We will contact you again once a decision is reached.

Thank you for your patience.

Sincerely,  
[Name]

[Address]

[City, State, Zip]

[Phone Number]

[Additional Information]

[Closing Remarks]

[Signature]

[Footnote/Disclaimer]