

1. Cavity Preparation for Resin Composite Rubric

Stage	Principle	Grade			Total	
		2	1	0		
Outline Form	Width	<b>Minimal</b> Buccolingual width = 1/4 the inter cuspal distance	<b>Slightly wide</b> Buccolingual width >1/4 < 1/2 the inter cuspal distance	<b>Wide</b> Buccolingual width > 2/3 the inter cuspal distance	10%	30%
	Extension	<b>Proper</b> Primary pits and fissure are included	<b>Under-extended</b> Does not include all the primary pits and fissure	<b>Over-extended</b> Extends to the cusps and marginal ridge	10%	
	Depth	<b>Proper and even</b> > 1 mm < 3 mm	<b>Uneven</b> Cavity depth uneven	<b>Shallow/Deep</b> < 1 mm <b>OR</b> > 3 mm	10%	
Primary Resistance form	Pulpal and gingival floor	<b>Uniform</b> Horizontal, flat <b>AND</b> uniform	<b>Half is uniform</b> Half is horizontal, flat <b>and/or</b> slanted	<b>Not uniform</b> Not flat <b>AND</b> not uniform	10%	30%
	Wall direction	<b>Converged</b> Buccal and lingual walls converge	<b>Half converged</b> Half of the buccal or lingual walls converged	<b>Diverged</b> Buccal and lingual walls diverged	10%	
	Line angles	<b>Slightly rounded</b>	<b>Half is rounded</b>	<b>Sharp</b>	10%	
Primary Retention form	Primary retentive features	- Efficient undercut <b>AND</b> - Efficient bonding technique	- Inefficient undercut <b>OR</b> - Inefficient bonding technique	- Inefficient undercut <b>AND</b> - Inefficient bonding technique	10%	20%
	Each part is retentive	<b>All retentive</b>	<b>Partially retentive</b>	<b>Not retentive</b>	10%	
Finishing of walls	Cavo-surface margin	- 90 degrees for CI I and II <b>OR</b> - Proper bevel when indicated in CI III, IV, V	- Some are 90 degrees <b>AND/OR</b> - Narrow or ununiform bevel when indicated	- All are not 90 degrees <b>AND</b> - Inappropriate or NO bevel when indicated	10%	20%
	Walls	<b>Smooth</b>	<b>Half are smooth</b>	<b>Rough</b>	10%	
<b>Total</b>					<b>100%</b>	

Critical mistakes:

1. Improper cavity depth:
  - a. Less than 1 mm (repeated more than twice).
  - b. More than 3 mm pulpally or axially.
2. Any damage to the adjacent tooth/teeth.

**Preclinical Operative  
& Esthetic Dentistry Course**

**PRECLINICAL  
ASSESSMENT BOOKLET  
2019-2020**

**Cavity Preparation Assessment Form**

Tooth No.: Molar ( )

Class: II

Type of restoration:  Composite  Amalgam

<b>Ethical conduct and professionalism</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Student shows respect towards staff, and colleagues. Student follows faculty directives, student wears appropriate professional attire, presents only his/her work (no cheating).
<b>Communication skills</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Student communicates efficiently with instructors using clear words and logical sequence.
<b>Cubic/tray organization</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Student organizes the instruments in the proper sequence in his/her tray. Surfaces are clean and properly wrapped. No visible littering.

*0 none of criteria fulfilled, 1 min one criteria fulfilled, 2 some of criteria fulfilled, 3 all criteria fulfilled*

Steps and procedures	Weight %	Student self-evaluation			Instructor evaluation			Feedback		
		0	1	2	0	1	2			
Outline Form	30							W/	E/	D/
Resistance Form	30							F/	W/	A/
Retention Form	20							R/	E/	
Finishing of walls	20							C/	W/	

<b>Date</b>	<b>Faculty Stamp and Signature</b>	<b>Score</b>
		/10

- Level C - Basic Ability
- Level B - Competent Ability
- Level A - Proficient Ability