

1. Cavity Preparation for Resin Composite Rubric

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

Critical mistakes:

- Improper cavity depth:
 - Less than 1 mm (repeated more than twice).
 - More than 3 mm pulpally or axially.
- 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

Ethical conduct and professionalism	<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).
Communication skills	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Student communicates efficiently with instructors using clear words and logical sequence.
Cubic/tray organization	<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/	

Date	Faculty Stamp and Signature	Score
		/10

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