

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	Senbagapriya S
Register Number:	2403713811422017
Date:	2025-07-30
Time:	09:59:18
Duration:	6:45 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 10/20 (50.0%)

GRADE: F

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	Less than workpiece hardness	Greater than workpiece hardnes...	✗ Wrong
2	150-300 m/min	50-150 m/min	✗ Wrong
3	Along the feed direction	Radially inward	✗ Wrong
4	High carbon content	Sulfur or lead additions	✗ Wrong
5	Cut chip thickness / Uncut chi...	Cut chip thickness / Uncut chi...	✓ Correct
6	Carbide material	Cobalt-based alloy	✗ Wrong
7	All of the above	All of the above	✓ Correct
8	0.5-0.8	0.1-0.2	✗ Wrong
9	Low cutting speeds	Low cutting speeds	✓ Correct

10	Always less than cutting speed	Always less than cutting speed	✓ Correct
11	Continuous flow	Segmented appearance	✗ Wrong
12	Sum of rake and clearance angl...	Sum of rake and clearance angl...	✓ Correct
13	Always greater than 1	Can be greater than 1	✗ Wrong
14	Hardened steels	Hardened steels	✓ Correct
15	All of the above	All of the above	✓ Correct
16	On the rake face near cutting ...	On the rake face near cutting ...	✓ Correct
17	Depth of cut	Feed rate	✗ Wrong
18	Perpendicular to the direction...	Perpendicular to the direction...	✓ Correct
19	At 45° to cutting velocity	Parallel to cutting velocity	✗ Wrong
20	High	High	✓ Correct

This is an auto-generated report from random question selection.
Generated on: 2025-07-30 09:59:18