

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	Sylambarasan
Register Number:	06
Date:	2025-07-30
Time:	09:52:28
Duration:	1:42 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 13/20 (65.0%)

GRADE: C

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	Relationship between forces an...	Relationship between forces an...	✓ Correct
2	Mist cooling	Mist cooling	✓ Correct
3	Large nose radius	Zero nose radius	✗ Wrong
4	Ahead of the cutting edge	Ahead of the cutting edge	✓ Correct
5	Cut chip thickness / Uncut chi...	Cut chip thickness / Uncut chi...	✓ Correct
6	Maximum at the tool tip	Maximum at the shear plane	✗ Wrong
7	Ferrous materials	Non-ferrous materials	✗ Wrong
8	50-150 m/min	50-150 m/min	✓ Correct
9	All of the above	All of the above	✓ Correct

10	All of the above	All of the above	✓ Correct
11	Both plastic deformation and f...	Both plastic deformation and f...	✓ Correct
12	Crater wear	Flank wear	✗ Wrong
13	Square root of feed rate	Square of feed rate	✗ Wrong
14	Increases cutting forces	Decreases cutting forces	✗ Wrong
15	Both surface finish and tool s...	Both surface finish and tool s...	✓ Correct
16	Sulfur or lead additions	Sulfur or lead additions	✓ Correct
17	Both rake angle and friction a...	Both rake angle and friction a...	✓ Correct
18	Cutting forces	Cutting forces	✓ Correct
19	On the rake face near cutting ...	On the rake face near cutting ...	✓ Correct
20	5-15 minutes	15-45 minutes	✗ Wrong

This is an auto-generated report from random question selection.
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