

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	Pranavan
Register Number:	2403713811421015
Date:	2025-07-30
Time:	09:43:46
Duration:	5:23 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 7/20 (35.0%)

GRADE: F

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	High-speed cutting	Brittle materials	✗ Wrong
2	0.2-0.5	0.1-0.2	✗ Wrong
3	Decreased rake angle	All of the above	✗ Wrong
4	Radially inward	Radially inward	✓ Correct
5	Behind the cutting edge	Ahead of the cutting edge	✗ Wrong
6	Surface finish	All of the above	✗ Wrong
7	Fine grain structure	Sulfur or lead additions	✗ Wrong
8	Greater than workpiece hardnes...	Greater than workpiece hardnes...	✓ Correct
9	Tool face and cutting edge	Tool face and reference plane	✗ Wrong

10	Hard materials at high speeds	Hard materials at high speeds	✓ Correct
11	All materials	Non-ferrous materials	✗ Wrong
12	Nose wear	Flank wear	✗ Wrong
13	Surface finish only	Both surface finish and tool s...	✗ Wrong
14	All of the above	All of the above	✓ Correct
15	Equal to cutting force	Smallest among all forces	✗ Wrong
16	Decreases cutting forces	Decreases cutting forces	✓ Correct
17	Longitudinal plane	Transverse plane	✗ Wrong
18	Shear stress exceeding yield s...	Shear stress exceeding yield s...	✓ Correct
19	Base of tool	Base of tool	✓ Correct
20	Equal to normal rake angle	Less than normal rake angle	✗ Wrong

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