

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	K.Arjun
Register Number:	2403713811421001
Date:	2025-07-30
Time:	09:43:40
Duration:	4:09 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 3/20 (15.0%)

GRADE: F

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	Increased feed rate	All of the above	✗ Wrong
2	High carbon content	Sulfur or lead additions	✗ Wrong
3	Parallel to cutting velocity	Parallel to cutting velocity	✓ Correct
4	Stainless steel	Free-cutting steel	✗ Wrong
5	Edge chipping	Flank wear	✗ Wrong
6	Zero everywhere	Maximum at the shear plane	✗ Wrong
7	Material is ductile with high ...	Material is ductile with high ...	✓ Correct
8	Feed rate	Feed rate	✓ Correct
9	Material brittleness	High pressure and low speed	✗ Wrong

10	Flank face and reference plane	Tool face and reference plane	✗ Wrong
11	Increase cutting speed	Control chip formation	✗ Wrong
12	$VT^n + C = 0$	$VT^n = C$	✗ Wrong
13	Surface finish	All of the above	✗ Wrong
14	Variable surface finish	Poor surface finish	✗ Wrong
15	In the workpiece material	Ahead of the cutting edge	✗ Wrong
16	Large nose radius	Zero nose radius	✗ Wrong
17	Continuous flow	Segmented appearance	✗ Wrong
18	Energy per unit time	Energy per unit volume of mate...	✗ Wrong
19	Shear strain	Cutting ratio	✗ Wrong
20	Cutting temperature	Cutting forces	✗ Wrong

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