DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	RAMESH.V
Register Number:	LE04
Date:	2025-07-30
Time:	09:57:32
Duration:	5:46 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 6/20 (30.0%)

GRADE: F

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	Depth of cut	Feed rate	✗ Wrong
2	Cutting speed is very low	Material is ductile with high ...	✗ Wrong
3	Uniform thickness	Segmented appearance	✗ Wrong
4	Cutting temperature	Cutting forces	✗ Wrong
5	VT^n = C	VT^n = C	✓ Correct
6	Crater wear	Flank wear	✗ Wrong
7	Interrupted cuts	High-speed operations	✗ Wrong
8	Cutting edge	Rake face	✗ Wrong
9	At 45° to cutting velocity	Parallel to cutting velocity	✗ Wrong

10	Friction	Both plastic deformation and f...	✗ Wrong
11	Always equal to cutting speed	Always less than cutting speed	✗ Wrong
12	Radially inward	Radially inward	✓ Correct
13	Mist cooling	Mist cooling	✓ Correct
14	Energy per unit time	Energy per unit volume of mate...	✗ Wrong
15	Serrated chip	Continuous chip	✗ Wrong
16	Tool geometry and friction	Tool geometry and friction	✓ Correct
17	Chip flow angle equals inclina...	Chip flow angle equals inclina...	✓ Correct
18	Tool face and reference plane	Tool face and reference plane	✓ Correct
19	400°C	600°C	✗ Wrong
20	Carbide material	Cobalt-based alloy	✗ Wrong