

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	Ranjith
Register Number:	71382305011
Date:	2025-09-25
Time:	15:02:26
Duration:	21:34 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 5/20 (25.0%)

GRADE: F

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	400°C	600°C	✗ Wrong
2	Power per unit volume removal ...	Energy per unit volume of mate...	✗ Wrong
3	150-300 m/min	50-150 m/min	✗ Wrong
4	Cutting speed only	Both surface finish and tool s...	✗ Wrong
5	Flank wear	Flank wear	✓ Correct
6	Radially inward	Radially inward	✓ Correct
7	Better wear resistance	All of the above	✗ Wrong
8	Continuous flow	Segmented appearance	✗ Wrong
9	All of the above	All of the above	✓ Correct

10	At 45° to cutting velocity	Parallel to cutting velocity	✗ Wrong
11	Equal to workpiece hardness	Greater than workpiece hardnes...	✗ Wrong
12	Cutting forces	Relationship between forces an...	✗ Wrong
13	Tool shank	Base of tool	✗ Wrong
14	Cast iron	Free-cutting steel	✗ Wrong
15	Cutting forces	Cutting forces	✓ Correct
16	Increased feed rate	All of the above	✗ Wrong
17	Tool life	All of the above	✗ Wrong
18	Chip width / Cut width	Cut chip thickness / Uncut chi...	✗ Wrong
19	Always less than 1	Can be greater than 1	✗ Wrong
20	Rake face	Rake face	✓ Correct

This is an auto-generated report from random question selection.
Generated on: 2025-09-25 15:02:26