

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	M.Mageshwaran
Register Number:	2403713811421011
Date:	2025-07-30
Time:	09:50:08
Duration:	4:18 minutes
Questions:	20 (Random selection from 75-question bank)

**SCORE: 10/20 (50.0%)**

**GRADE: F**

#### ***DETAILED RESULTS***

Q.No	Your Answer	Correct Answer	Status
1	5-15 minutes	15-45 minutes	✗ Wrong
2	Perpendicular to the direction...	Perpendicular to the direction...	✓ Correct
3	Difference between rake and cl...	Sum of rake and clearance angl...	✗ Wrong
4	Hardened steels	Hardened steels	✓ Correct
5	On the rake face near cutting ...	On the rake face near cutting ...	✓ Correct
6	Always less than cutting speed	Always less than cutting speed	✓ Correct
7	Cutting speed	Feed rate	✗ Wrong
8	Shear angle remains constant	Chip flow angle equals inclina...	✗ Wrong
9	Both plastic deformation and f...	Both plastic deformation and f...	✓ Correct

10	Tool geometry and friction	Tool geometry and friction	✓ Correct
11	Always less than 1	Can be greater than 1	✗ Wrong
12	Cutting forces	All of the above	✗ Wrong
13	Edge chipping	Flank wear	✗ Wrong
14	Base of tool	Base of tool	✓ Correct
15	Chip thickness	All of the above	✗ Wrong
16	Shear angle	Cutting ratio	✗ Wrong
17	Less than normal rake angle	Less than normal rake angle	✓ Correct
18	Transverse plane	Longitudinal plane	✗ Wrong
19	Low cutting speeds	Low cutting speeds	✓ Correct
20	Poor surface finish	Poor surface finish	✓ Correct

This is an auto-generated report from random question selection.  
Generated on: 2025-07-30 09:50:08