

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	sai saran s c
Register Number:	lat07
Date:	2025-07-30
Time:	09:58:20
Duration:	4:28 minutes
Questions:	20 (Random selection from 75-question bank)

**SCORE: 8/20 (40.0%)**

**GRADE: F**

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

Q.No	Your Answer	Correct Answer	Status
1	High rake angles	Low cutting speeds	✗ Wrong
2	Difference between 90° and sum...	Difference between 90° and sum...	✓ Correct
3	Better surface finish	Poor surface finish	✗ Wrong
4	Maximum at the shear plane	Maximum at the shear plane	✓ Correct
5	Surface finish only	Both surface finish and tool s...	✗ Wrong
6	All of the above	All of the above	✓ Correct
7	Thermal effects	Shear stress exceeding yield s...	✗ Wrong
8	All of the above	All of the above	✓ Correct
9	Angle between cutting edge and...	Angle between shear plane and ...	✗ Wrong

10	Dry cutting	Mist cooling	✗ Wrong
11	Equal to normal rake angle	Less than normal rake angle	✗ Wrong
12	Chip width / Cut width	Cut chip thickness / Uncut chi...	✗ Wrong
13	Energy per unit volume of mate...	Energy per unit volume of mate...	✓ Correct
14	All of the above	All of the above	✓ Correct
15	At 45° to the direction of cut...	Perpendicular to the direction...	✗ Wrong
16	Cutting temperature	Cutting forces	✗ Wrong
17	Flank face and cutting edge	Tool face and reference plane	✗ Wrong
18	Zero nose radius	Zero nose radius	✓ Correct
19	All of the above	All of the above	✓ Correct
20	Depth of cut	Feed rate	✗ Wrong

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