

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	GIRITHARAN.N
Register Number:	2403713811421005
Date:	2025-07-30
Time:	09:47:49
Duration:	2:27 minutes
Questions:	20 (Random selection from 75-question bank)

**SCORE: 12/20 (60.0%)**

**GRADE: C**

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

Q.No	Your Answer	Correct Answer	Status
1	Parallel to cutting velocity	Parallel to cutting velocity	✓ Correct
2	All of the above	All of the above	✓ Correct
3	High carbon content	Sulfur or lead additions	✗ Wrong
4	Both surface finish and tool s...	Both surface finish and tool s...	✓ Correct
5	All of the above	All of the above	✓ Correct
6	All of the above	All of the above	✓ Correct
7	At the tool tip	On the rake face near cutting ...	✗ Wrong
8	Both rake angle and friction a...	Both rake angle and friction a...	✓ Correct
9	All of the above	All of the above	✓ Correct

10	Improved tool life	All of the above	✗ Wrong
11	Relationship between forces an...	Relationship between forces an...	✓ Correct
12	300-500 m/min	50-150 m/min	✗ Wrong
13	Chemical reactions	Shear stress exceeding yield s...	✗ Wrong
14	Cut chip thickness / Uncut chi...	Cut chip thickness / Uncut chi...	✓ Correct
15	Tool face and reference plane	Tool face and reference plane	✓ Correct
16	Compressive stress only	Both tensile and compressive s...	✗ Wrong
17	All of the above	All of the above	✓ Correct
18	400°C	600°C	✗ Wrong
19	Tool geometry and friction	Tool geometry and friction	✓ Correct
20	Interrupted cuts	High-speed operations	✗ Wrong

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