

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	S. YOKESH
Register Number:	2403713811421019
Date:	2025-07-30
Time:	09:54:59
Duration:	3:34 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	50-150 m/min	50-150 m/min	✓ Correct
2	Small nose radius	Zero nose radius	✗ Wrong
3	All of the above	All of the above	✓ Correct
4	Stainless steel	Free-cutting steel	✗ Wrong
5	Carbon-based materials	Ceramic-metal composites	✗ Wrong
6	Material is ductile with high ...	Material is ductile with high ...	✓ Correct
7	Maximum at the shear plane	Maximum at the shear plane	✓ Correct
8	Tool face and cutting edge	Tool face and reference plane	✗ Wrong
9	Radially inward	Radially inward	✓ Correct

10	Cryogenic cooling	Mist cooling	✗ Wrong
11	All materials	Non-ferrous materials	✗ Wrong
12	Primary, secondary, and tertia...	Tangential, radial, and axial	✗ Wrong
13	Square of feed rate	Square of feed rate	✓ Correct
14	Built-up edge chip	Continuous chip	✗ Wrong
15	45-90 minutes	15-45 minutes	✗ Wrong
16	20-40%	5-10%	✗ Wrong
17	Force / velocity	Force × velocity	✗ Wrong
18	Always greater than cutting sp...	Always less than cutting speed	✗ Wrong
19	Increases cutting forces	Decreases cutting forces	✗ Wrong
20	Soft materials	Hardened steels	✗ Wrong

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