

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	Siva Harris
Register Number:	2403713811421018
Date:	2025-07-30
Time:	09:55:53
Duration:	4:35 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	Perpendicular to cutting veloc...	Parallel to cutting velocity	✗ Wrong
2	Maximum at the shear plane	Maximum at the shear plane	✓ Correct
3	Greater than workpiece hardnes...	Greater than workpiece hardnes...	✓ Correct
4	Depth of cut	Feed rate	✗ Wrong
5	All of the above	All of the above	✓ Correct
6	15-45 minutes	15-45 minutes	✓ Correct
7	150-300 m/min	50-150 m/min	✗ Wrong
8	Soft materials	High-speed operations	✗ Wrong
9	All of the above	All of the above	✓ Correct

10	Behind the cutting edge	Ahead of the cutting edge	✗ Wrong
11	Stainless steel	Free-cutting steel	✗ Wrong
12	Hardened steels	Hardened steels	✓ Correct
13	Rake face	Rake face	✓ Correct
14	Better surface finish	Poor surface finish	✗ Wrong
15	All of the above	All of the above	✓ Correct
16	Ductile materials at low speed...	Hard materials at high speeds	✗ Wrong
17	Material is ductile with high ...	Material is ductile with high ...	✓ Correct
18	Both tensile and compressive s...	Both tensile and compressive s...	✓ Correct
19	Tool life	All of the above	✗ Wrong
20	High rake angles	Low cutting speeds	✗ Wrong

This is an auto-generated report from random question selection.  
Generated on: 2025-07-30 09:55:53